



Muqtar Ali Khan

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Summary:

- Results-driven Cloud DevOps and Application Engineer with **9+ years of experience specializing in infrastructure automation, cloud provisioning, and application development for cloud-based environments.**
- Proficient in leveraging **Terraform, Python, Java, and Angular** to create and maintain scalable, secure, and efficient infrastructure, with a strong focus on **Infrastructure as Code (IaC)** and DevOps best practices.
- Demonstrated ability to manage **CI/CD** pipelines, ensure cloud security compliance, and collaborate in Agile teams to deliver innovative solutions.
- **High-performance professional** with a **track record** of increasing efficiency and quality of builds and releases. Lead migrations of source code repositories from legacy systems, and drive continuous Integration.
- Create **automation** tools in globally dispersed self-hosted enterprise environments.
- Highly experienced in managing all stages of the **application development lifecycle**, including development, testing, and production environments.
- Experienced in **application migration** from **on-premises** servers to the Cloud.
- Support application server development/testing/PROD deployment.
- Successful implementation of **Workload Management** using clustering techniques.
- Proven track record of working closely with engineering, **development**, operations, and **security** teams to ensure the reliability, availability, and performance of cloud infrastructure. Skilled in developing and implementing monitoring and alerting systems, **automating** processes, and improving operational efficiency.
- Adept at troubleshooting and resolving infrastructure issues, conducting performance testing, capacity planning, and managing upgrades and migrations of storage platforms.
- Strong background in site reliability engineering with a focus on Dell and Pure Storage platforms, infrastructure as code tools like **Morpheus, Terraform, and Ansible**, and scripting languages such as **Python, Ruby, and Bash**.
- Excellent decision-making, problem-solving, communication, and collaboration skills.
- Good Knowledge of **AWS** services like **EC2, CloudWatch, Elastic IPs**, and managing **security groups**. I have worked on setting up the Cloud-Watch, for the detailed **monitoring & setting** up the Alarms for the **Amazon Instance**.
- Performed S3 buckets creation, **policies**, and on the **IAM** role-based policies and customizing the JSON template.
- Configured and monitored alerting tools as per **AWS Cloud Watch**, and **AWSCloud-trail**. AWS Services requirements.
- Knowledgeable in Dev-ops tools (**Git Hub, Jenkins**) for building and configuring architecture.
- Ability to write scripts by using Shell Scripting. Well-versed in SSL Certificate Management.
- Knowledge of MQ installation, MQ configuring with PowerShell, Terraform, Ansible, WebSphere, Creation of queues, channels, etc.
- Positive and hard-working team player with strong analytical/problem-solving/communication skills. Adapt to new environments and change quickly.

Technical Skills

AWS	Agile Methodologies	Integrations & Bug Tracking	Written & Verbal Communication
AWS	DevOps with CI/CD	Process Improvements	Documentation



GCP	Build/Release Management	ITIL Processes	Relationship Building
Middleware Enablement Specialist	Application/Infra Migrations	Cross-Functional Teamwork	Microsoft Office (Word, Excel, PowerPoint)

Operating System	Linux, Windows
Scripting languages	Shell Source Control Tools: SVN, Git Hub
Continuous Integrations	Jenkins
Repository Manager	Artifactory
Cloud Technology	AWS , AWS, GCP
Monitoring tool	SiteScope, Splunk, Datadog, Broadcom APM,
Web / Application Server	WebLogic, WebSphere, JBoss, Apache Tomcat, IIS
Ticketing Tool	Atlassian, Jira Service Desk, Service Now, ITSM
AWS Services	EC-2, ELB, VPC, RDS, IAM, Cloud Formation, S3, Glacier, Cloud Watch, Cloud Trail, SNS, SQS, EBS
Database System:	PostgreSQL, MySQL
Automation Tools	Terraform, Ansible, Morpheus, CloudFormation
IAM Tools	IDAnywhere, SiteMinder, Active Directory, AWS AD, CyberArk
Reporting Tools	IBM Cognos , Jira , Splunk, Data dog.

Education

- Bachelors in Computer Science Engineering | Jawaharlal Nehru Technological University, Hyderabad, India Completed: **2015**

Certifications

- Microsoft Azure Administrator - AZ-104
- AWS Certified Solutions Architect – Professional
- Amazon Web Services Cloud Practitioner

Professional Experience

Sr DevOps / Cloud Engineer

Feb 2023 –Present

DXC– Dallas, TX

Responsibilities:

- Skilled in designing and developing RESTful APIs for internal and external services.
- Documentation: Excellent documentation skills for maintaining and sharing infrastructure, processes, and codebase.
- Agile/Scrum: Experienced in Agile workflows, including sprint planning, daily standups, and collaboration in cross-functional teams.
- Architected and implemented **Terraform-based IaC** for cloud environments (**AWS, Azure**), optimizing infrastructure deployment and minimizing manual configurations by 60%.
- Developed and maintained **CI/CD pipelines in Jenkins and XLR**, enabling automated testing and efficient deployment across multiple environments.
- Spearheaded the migration of existing JSON templates to HCL, aligning infrastructure with **Terraform Enterprise standards**.
- Established security best practices by integrating IAM policies, encryption protocols, and monitoring tools in line with cloud



compliance requirements.

- Managed and deployed scalable Kubernetes clusters on **Google Kubernetes Engine (GKE)** for production workloads.
- Used Kubernetes to deploy scale, load balance, scale and manage Docker containers with multiple namespace versions.
- Collaborated in an Agile environment, actively participating in sprint planning, stand-ups, and retrospectives to align with project milestones and team goals.
- Designed and developed back-end services and REST APIs using Java and Spring Boot to support scalable application architectures.
- Implemented CI/CD pipelines integrated with GKE for seamless application deployment and scaling.
- Built and integrated dynamic web applications with Angular, enabling real-time updates and asynchronous event handling with Angular Material and RxJS.
- Integrated Jenkins with various DevOps tool like **Ansible** and used **CI/CD system of Jenkins on Kubernetes container** environment, utilizing Kubernetes and Docker for the runtime environment for the **CI/CD system** to build and test and deploy.
- Automated deployment scripts in Python to streamline DevOps tasks, integrate with **CI/CD processes**, and manage TFE pipelines.
- Contributed to cross-team initiatives for enhanced documentation, knowledge sharing, and technical training to ensure clear communication of infrastructure changes.
- Engineered cloud infrastructure solutions for **AWS, Azure, and GCP using Terraform**, aligning with **Infrastructure as Code (IaC)** best practices.
- Implemented continuous deployment pipeline with Jenkins and Jenkins workflow on Docker.
- Configured CI/CD pipelines to facilitate automated testing and deployment processes, resulting in a 40% reduction in deployment times.
- Managed configuration automation for systems using Ansible and Puppet, achieving greater consistency and reducing provisioning time by 50%.
- Collaborated with cross-functional teams to optimize cloud infrastructure, ensuring high availability, scalability, and security compliance.
- Extensive hands-on experience with a wide array of AWS services including Amazon S3, Amazon Redshift, and Amazon Sage Maker for machine learning solutions.
- Implemented and maintained CyberArk Privileged Access Security (PAS) solution, including installation, upgrades, and support across mixed platforms (on-premises and AWS).
- Integrated Active Directory (AD) for secure authentication and role-based access management, enhancing system security and compliance with regulatory standards.
- Administered Windows and **Linux systems in hybrid environments**, ensuring security patches, updates, and configurations align with best practices.
- Automated routine security tasks and system management operations using PowerShell and Python scripts, improving efficiency and reducing manual intervention.
- Worked on Terraform to automate cloud resource provisioning and infrastructure management in **AWS and on-premises environments**.
- Led CyberArk system upgrades and ensured minimum downtime during transition phases by utilizing efficient deployment strategies.
- Provided 24/7 on-call support for high-priority incidents and service requests, troubleshooting CyberArk and system administration issues.
- Managed the installation, configuration, and administration of CyberArk components, focusing on the implementation of



privileged access security policies for critical business systems.

- Worked with Windows and **Linux servers, monitoring system performance** and handling user access management using CyberArk Vault and Active Directory.
- Expertise in automating cloud infrastructure provisioning using tools like AWS CloudFormation, Terraform, and Ansible to ensure consistency, scalability, and reduced deployment times.
- Proficient in Python, Bash, and AWS CLI scripting for developing automation tools, custom solutions, and integration of cloud services.
- Administered CyberArk Privileged Account Security (PAS) solutions, ensuring secure access to critical systems.
- Performed routine system maintenance, upgrades, and security updates on **Windows and Linux servers**.
- Developed automation scripts in PowerShell to streamline administrative tasks, including user account management and system audits.
- Assisted with troubleshooting and resolving CyberArk issues, providing technical support and maintenance for critical security infrastructure.
- Strong knowledge of AWS security practices, including IAM role management, VPC configuration, encryption (KMS), and ensuring compliance with HIPAA, GDPR, and other regulatory standards.
- Proven ability to optimize AWS resources, reducing operational costs, enhancing performance, and ensuring scalability by using tools such as AWS Trusted Advisor and AWS Auto Scaling.
- Skilled in using AWS CloudWatch, CloudTrail, and other monitoring tools to proactively manage performance and resolve complex infrastructure issues.
- Expertise in designing and configuring secure and reliable AWS VPCs, routing, load balancing, and VPN connections for seamless network integration.
- Adept at implementing CI/CD pipelines using AWS Code Pipeline, Jenkins, and GitLab for efficient deployment and continuous delivery in cloud environments.
- Architect and manage AWS cloud infrastructure for multiple clients, focusing on high availability, performance, and cost optimization.
- Utilize Terraform and CloudFormation for IaC, automating the deployment of EC2 instances, VPCs, and RDS databases, significantly reducing manual efforts and human error.
- Develop and implement automation scripts in Python and Bash for infrastructure monitoring, log management, and resource scaling.
- Design and enforce AWS security frameworks, including VPC security groups, IAM policies, and encryption strategies (KMS) to ensure compliance with regulatory standards such as HIPAA and SOC 2.
- Optimize AWS resource usage, reducing operational costs by 30% through auto-scaling, rightsizing EC2 instances, and using Reserved Instances.
- Implement CI/CD pipelines using AWS Code Pipeline and Jenkins, automating the deployment of microservices architecture on AWS Fargate and Lambda.
- Monitor and troubleshoot issues using AWS CloudWatch, CloudTrail, and X-Ray, ensuring rapid incident resolution and continuous uptime for cloud-based applications.
- Managed the deployment and maintenance of AWS cloud infrastructure for large-scale data processing workloads, leveraging Amazon S3, Redshift, and Lambda for seamless data flow and scalability.
- Automated infrastructure deployments using AWS Cloud Formation and Terraform, reducing deployment times by 40% and improving system reliability.
- Collaborated with cross-functional teams to develop Python and Bash scripts for automating operational tasks, including backup



and recovery procedures.

- Implemented security best practices, including multi-factor authentication (MFA), IAM role policies, and encryption (SSL/TLS, KMS), ensuring secure cloud environments.
- Spearheaded the performance tuning of AWS resources, using AWS Trusted Advisor and EC2 Auto Scaling to optimize resource utilization and reduce costs by 25%.
- Created comprehensive monitoring and alerting strategies using AWS CloudWatch, enabling proactive identification of system bottlenecks and rapid troubleshooting.
- Implemented Infrastructure automation through **Terraform and Ansible** for auto provisioning, code deployments for AWS and.
- Managed the design and operation of **IaaS** in on-premises cloud environments.
- Utilized infrastructure as code tools such as Morpheus, Terraform, and Ansible to automate infrastructure deployment and management.
- Implemented monitoring, logging, and alerting solutions to ensure high availability and performance.
- Participated in capacity planning and performance optimization efforts for on-premises cloud storage platforms.
- Provided mentorship to junior engineers and led technical teams in project execution.
- Involved in Setting up the build and deployment automation for Terraform scripts using Jenkins.
- Usage of Log analytics service to monitor cloud and on-premises environments.
- Created the workspaces in Log analytics on AWS to store logs and created alerts for critical messages in logs.

Terraform: Extensive hands-on experience with Terraform for multi-cloud provisioning (AWS, Azure, GCP). Proficient in HCL, state management, modules, and JSON-to-HCL conversion in Terraform Enterprise. Infrastructure as Code (IaC): Advanced knowledge in IaC concepts, leveraging tools like Terraform to automate cloud infrastructure management. CI/CD Pipelines: Skilled in creating and managing CI/CD workflows using Jenkins and XLR for automated deployments and testing. Configuration Management: Proficient in Ansible, Chef, and Puppet for automating system configuration and deployment. Scripting: Experienced in scripting with Python and Bash to support DevOps tasks, Terraform Enterprise pipelines, and automation needs. Cloud Security: Knowledgeable in cloud security best practices and compliance requirements; experience implementing security controls in AWS and Azure environments.

Cloud Engineer

Jan 2019 – Sep 2021

Value Labs - Hyderabad, IND

Responsibilities:

- Designed, built, and maintained highly available, scalable, and secure infrastructure for on-premises private cloud IaaS offerings.
- Designed and deployed AWS cloud infrastructure, focusing on scalability, security, and cost-efficiency.
- Containerized applications using Docker, facilitating consistent environments across development, testing, and production.
- Integrated automated testing and deployment processes, reducing manual effort and increasing deployment frequency.
- Developed and implemented monitoring and alerting systems to ensure service reliability and availability using tools like VROPS, Nagios, Prometheus, Grafana, Log Insight, and Splunk.
- Automated processes and developed tools to improve operational efficiency using Morpheus, Terraform, and Ansible.
- Collaborated with development and operations teams to troubleshoot and resolve infrastructure issues.
- Conducted regular performance testing and capacity planning to ensure optimal performance.
- Ensured compliance with customer requirements and internal and external stakeholder needs for PaaS and IaaS platforms.
- Developed and implemented processes for incident, problem, and change management in alignment with Charter Incident and Change Management Policies.
- Led the design and implementation of Kubernetes clusters on AWS EKS, focusing on high availability, scalability, and security.



Deployed and managed clusters in production environments, ensuring optimal performance and uptime.

- Managed AWS and GCP cloud environments, deploying and maintaining cloud-native applications using Docker and CNCF containers. Optimized resource allocation and utilization, resulting in cost savings and improved system performance.
- Developed and maintained Infrastructure as Code (IaC) using Terraform, enabling consistent and reliable environment provisioning across multiple stages (dev, staging, production).
- Implemented GitOps workflows, automating the deployment process and improving system reliability by reducing manual intervention and errors. Integrated with CI/CD pipelines for continuous delivery.
- Led the transition from a monolithic architecture to microservices, breaking down complex systems into manageable, independent services. This resulted in improved scalability, maintainability, and faster deployment cycles.
- Network Design: Designed and implemented robust network solutions, including load balancing and DNS configurations, to support large-scale, distributed systems. Enhanced system resilience and fault tolerance.
- Monitoring & Optimization: Set up comprehensive monitoring and logging using Prometheus, Grafana, and AWS CloudWatch. Continuously monitored and analyzed PaaS and IaaS service performance to proactively identify and resolve issues.
- Extensively worked on migrating Applications on prime servers to the Cloud with respective monitoring using Data Dog.
- Expert in Python and PowerShell/Unix Scripting: Demonstrated expertise in developing and maintaining scripts for various automation tasks and system management using Python and PowerShell/Unix.
- Hands-on experience with **Terraform for infrastructure as code (IaC)** and implementing Policy as Code to manage and provision cloud infrastructure.
- Designed and implemented **CI/CD pipelines using Jenkins and GitHub Actions**, optimizing deployment processes for microservices-based applications.
- Contributed to achieving compliance by enforcing security best practices in Kubernetes workloads and GKE clusters.
- Collaborated with DevOps teams to resolve critical scaling and latency challenges in GKE-hosted applications.
- Deployed and managed containerized applications using Docker and Kubernetes, ensuring seamless orchestration and scaling.
- Configured and maintained monitoring tools such as Datadog, Grafana, Prometheus, and ELK stack for proactive issue detection and resolution.
- Utilized **Terraform and Ansible for infrastructure as code (IaC)** and configuration management, automating the provisioning and management of cloud resources.
- Implemented service mesh solutions using Istio, enhancing microservices security, traffic management, and observability.
- Provided support for embedded and edge compute systems, ensuring reliable performance in diverse environments.
- Managed and optimized **AWS infrastructure**, ensuring high availability and cost efficiency.
- Developed and maintained CI/CD pipelines, integrating with various tools for automated builds, tests, and deployments.
- Implemented containerization strategies using **Docker and Kubernetes**, streamlining application deployment and management.
- Configured and utilized monitoring tools like AppDynamics and ELK stack for effective system monitoring and troubleshooting.
- Collaborated with cross-functional teams in an Agile environment, participating in sprint planning, daily stand-ups, and retrospectives.
- **Functional and Data Validation Test Plans**: Skilled in interpreting functional requirements and designs to plan, develop, write, execute, and automate functional and data validation test plans.
- **Test Case Design and Execution**: Proficient in designing, developing, and executing test cases, with strong knowledge of test automation and tools.
- **Testing Methods and Cloud Platforms**: Experience with various testing methods (unit testing, smoke testing, sanity testing, regression testing) on on-premises private cloud and public cloud platforms such as **AWS, AWS, and Google Cloud**.
- **Test Automation Scripting**: Expertise in test automation scripting using JavaScript test frameworks like Selenium, Cypress, and



code quality scanning using SonarQube.

- **Web UI, API, and Database Testing:** Proficient in testing web UI, APIs, and databases, ensuring comprehensive coverage and reliability of applications.
- **Agile CI/CD Tools and Processes:** Knowledgeable in agile CI/CD tools and processes, ensuring seamless integration and continuous delivery of software applications.
- **Effective Communication and Adaptability:** Strong ability to juggle competing priorities, adapt to changes in project scope, and communicate and collaborate effectively with teammates and internal clients, ensuring successful project outcomes.

Cloud Engineer

Apr 2017 – Dec 2018

Cognizant Technology Solutions Hyderabad, IND

Responsibilities:

- Automated the build process to reduce manual intervention and merged to the Jenkins job.
- Worked on AWS Cloud Formation and Terraform API to create infrastructure on AWS as a code and spun up AWS resources by using Terraform.
- Deployed and managed Kubernetes clusters on Google Cloud Platform using GKE.
- Ensured seamless integration with existing cloud infrastructure and optimized for performance and scalability.
- Automated infrastructure provisioning using AWS Cloud Formation, significantly reducing setup time and ensuring consistency across environments. Wrote reusable templates for rapid environment spin-ups.
- Migrated legacy monolithic applications to a cloud-native architecture, utilizing Docker for containerization and Kubernetes for orchestration. Improved application performance and scalability while reducing operational complexity.
- Implemented and managed load balancing solutions (e.g., Application Load Balancer, Network Load Balancer) and fine-tuned networking configurations to enhance system reliability and performance.
- **CI/CD Pipeline Management:** Built and maintained CI/CD pipelines using Jenkins and GitLab CI, enabling automated deployments and faster delivery cycles. Integrated with container registries and Kubernetes clusters for smooth, automated rollouts.
- Conducted security assessments and implemented best practices for data protection, identity management, and access control. Ensured compliance with industry standards and regulations, including HIPAA and GDPR.
- Set up environments from scratch to the deployment of J2EE applications in Application Servers (Liberty Profile WAS8.5.5/WAS9).
- **AWS Infrastructure Design:** Designed and deployed scalable, secure, and cost-efficient AWS cloud infrastructure. Utilized services such as EC2, S3, RDS, and Lambda to meet various business needs.
- **Containerization:** Containerized applications using Docker, facilitating consistent environments across development, testing, and production. Improved deployment flexibility and reduced environment-specific issues.
- **CI/CD Automation:** Integrated automated testing and deployment processes into the CI/CD pipeline, reducing manual effort, increasing deployment frequency, and improving overall software quality.
- **Cloud Resource Optimization:** Optimized cloud resource utilization, leading to a 20% reduction in operational costs. Achieved through proactive monitoring, right-sizing instances, and automating resource management tasks.
- **Cross-Functional Collaboration:** Worked closely with development, operations, and security teams to ensure that IT operations aligned with business objectives and customer needs. Facilitated the adoption of DevOps best practices across the organization
- Performed Integration of Apache and Apache Tomcat with Mod_Jk configuring for remote Web Servers and integrated with the application server.



- Maintained GIT repositories for automation code and configuration in CI/CD Process to build and deploy the applications through tools such as Maven with plugins in the Jenkins server. Set up LBP and SM files as part of the web-access management.
- **Infrastructure Setup:** Worked on building new cloud servers for all the environments till Prod.
- Responsible for all cloud-related issues / upgrading the RAM/CPU also de-installing the server.
- Created websites / Generated plugins & propagated IHS support to deliver the environment in time.
- Configured JDBC, Data source/connection pools for database connectivity in WebSphere and WebLogic Server.
- Configured and deployed applications in the new platform from Dev, QA, Test, Pre-prod to Production Environment.
- Managed Change management requests for Upgrade/Patches/Migration for the existing Versions of WAS/JBOSS in Production and Non-Production Environments. Share 24x7x365 on-call duties with the WebSphere team including rotating on-call schedules.
- Investigated environment issues and reported issues with code to the Application team to fix them by coordinating with the relevant teams.
- Troubleshoot Application Server start-up issues, and Java code defects after deployment.
- Generated the plug-in files (via XML) and provided them to the application team for testing. Problem Determination through the log files (JVM Logs).
- Involved in handling tickets from Incident management, change management, and Problem Management followed by the ITSM mechanism.
- Integrated Splunk with AWS CloudTrail, AWS Monitor, or Google Cloud Logging to centralize and correlate cloud infrastructure logs for comprehensive visibility and analysis.
- Implemented Splunk Enterprise Security (ES) or Splunk Phantom for threat detection, incident response, and security orchestration.
- Solid understanding of enterprise networking principles, including VPN, Express Route, DNS, IP allocation, NSGs, and AWS Firewall.
- Supported business operations during weekends & 24/7 as an on-call support agent. Conducted daily Performance Tests and troubleshoot various configuration and Application issues. Implemented workload management (WLM) for failover using horizontal, and vertical clusters.
- Configured WebSphere resources such as JDBC Providers, Data Sources, Connection Pooling, and JMS and administered performance tuning.
- Providing a high level of service to our customers, adhering to our SLAs for response and restoration times – Problem determination, workaround resolution, root cause analysis, and incident management Oversee the testing and monitoring of applications and systems performance.
- Migrated live applications from legacy to cloud-native platform under a tight 6-month deadline with little breakage of code and minimal downtime. Completed with very limited documentation and usage cases.
- Configured Admin console security on WebSphere and created users with various roles to access the WebSphere admin console – users and groups and added them in LDAP Console Groups using both Admin consoles.
- Implementing SSL using IKEYMAN utility and installed certs on multiple environments including production, and performance tests.
- Installed & configured Site Minder which is a web access manager that enables the access control of web applications directly.

Project 1 | Middleware Engineer
Wipro Technologies -Hyderabad, IND
Responsibilities:

Nov 2015 – Mar 2017



- Delivered proofs of concept to project stakeholders, showcasing key technology components and ensuring alignment with business requirements.
- Led the administration and support of middleware platforms, focusing on JBOSS and Oracle WebLogic.
- Conducted installations, configurations, and performance tuning of application servers and web servers.
- Provided expert troubleshooting and production support for J2EE/Java enterprise applications.
- Automated administrative tasks using scripting languages such as Jython, Python, YAML, and Perl.
- Monitored system health and performance using Splunk, Dynatrace, and AppDynamics, ensuring minimal downtime and optimal performance.
- Collaborated with development and operations teams to ensure seamless deployment and operation of applications.
- Developed scalable and reusable frameworks for ingesting geospatial data sets, and optimizing data processing capabilities.
- Integrated end-to-end data pipelines to maintain data quality and consistency across source systems and target repositories.
- Collaborated with project teams to support the delivery of additional components such as API interfaces and search functionalities.
- Evaluated performance metrics and tools against customer requirements, and made decisions based on data to enhance performance and scalability.
- Implemented Agile methodologies and DevOps practices to deliver proof of concept and production implementations in iterative sprints.
- Managed and optimized data solutions on AWS, including data ingestion pipelines, storage, and analytics services.
- Developed ETL processes to transform and load data into AWS data warehouses, improving data accessibility for analytics teams.
- Utilized Spark for data processing and analysis, implementing geospatial frameworks for location-based analytics solutions.
- Collaborated with cross-functional teams to resolve data-related issues, ensuring data integrity and compliance with industry standards.
- Documented system configurations and processes, providing comprehensive guides for training and knowledge sharing.

Middleware Technologies: JBOSS, Oracle WebLogic, Tomcat, Apache, WebSphere

Application Administration: Installation, configuration, performance tuning, troubleshooting, production support
Programming Languages: Jython, Python, YAML, Perl

Enterprise Applications: J2EE/Java

Monitoring Tools: Splunk, Dynatrace, SiteScope, AppDynamics
Incident Management: ITS Remedy, Jira

Project 2 | WebSphere/Cloud Administrator

Nov 2015 – Mar 2017

Wipro Technologies -Hyderabad, IND

Responsibilities:

- Installed and configured WebSphere Application Server / JBoss Application Server 7. x
- Deployment of EAR/WAR applications in WAS console & also maintained WLM via Cluster environment.
- Installation & configuring the MySQL database & worked on the database schema setup- export & import and values addition into the DB system.
- Configuring the Apache Web Server (Maven) and the front end (DNS Level) and application was hosted in the JBoss Application server.
- Supported the administration and maintenance of middleware technologies, including JBOSS and Oracle WebLogic.
- Installed and configured application servers and web servers, optimizing performance and reliability.
- Troubleshot and resolved issues related to J2EE/Java applications in a production environment.



- Created and maintained scripts for automation and system management using Jython, Python, YAML, and Perl.
- Monitored application and system performance using tools like SiteScope and Splunk.
- Assisted in incident management and production issue resolution using ITS Remedy and Jira.
- Deploying and managing the Applications in a lower environment & Starting, Stopping, and deletion the web archives (.war) from the Instances & Linking the Production instance URL to the DNS (Provider- enome)
- Administered and managed JBOSS and Oracle WebLogic middleware products, ensuring high availability and optimal performance.
- Installed, configured, and fine-tuned application servers and web servers, including Tomcat, Apache, and WebSphere.
- Provided production support, troubleshooting complex issues, and implementing performance tuning measures to enhance system reliability.
- Worked with J2EE/Java applications, ensuring seamless integration and performance at the enterprise level.
- Developed and maintained scripts using Jython, Python, YAML, and Perl to automate routine tasks and streamline operations.
- Utilized monitoring tools like Splunk, Dynatrace, SiteScope, and AppDynamics to track system performance and proactively address potential issues.
- Checking and providing the logs to the Development team in the UAT and maintaining the backup of .war & uploading .war files and other packages via FTP configuration.
- Creation of Users and giving permissions in IAM & security groups handler for EC2 instances.
- Providing support in the Production and maintenance of the application via 24/7 shift support.
- Hands-on experience in the management of Amazon EC2 console to create new instances.
- Involved in the maintenance of internal projects SOTC (Show on the Cloud -File Sharing), COTC (Campaign on the Cloud for the Bulk Campaigning for SMS, Email and Social media Templates), and Famtivity (Social Activity Network).
- Worked on Amazon Glacier & Fast Glacier to get the project backup on the Server.
- Worked and configured the Amazon SES (Simple Email Service)
- Optimized Middleware Performance: Successfully optimized the performance of middleware platforms, reducing downtime by 40% and improving response times by 30%.
- Automated Routine Tasks: Developed scripts that automated routine administrative tasks, resulting in a 50% increase in operational efficiency.
- Enhanced Monitoring and Alerting: Implemented advanced monitoring and alerting mechanisms using Splunk and Dynatrace, significantly reducing the mean time to resolution (MTTR) for incidents.
- Worked on taking the Snapshots, Images (AMIs), linking the elastic IPs, and Volumes of the environment Instance & Also worked on the Network & Security Groups of Amazon Instance.

Bajaj FinServ | Hyderabad, TS
Cloud & DevOps Engineer

Aug 2014 – Oct 2015

Responsibilities:

- Designed, built, and maintained best-in-class DevOps practices including Automation, IAM (basics), CI/CD, monitoring, alerting, and auto-scaling.
- Created automation, employed open-source software, interacted with APIs, and enabled CI/CD to develop new cloud features, harvest/visualize metrics, and monitor health/performance/capacity.
- Designed, implemented, and maintained automation solutions using Ansible and Python to streamline infrastructure processes.
- Collaborated with cross-functional teams to understand infrastructure requirements and developed effective automation workflows.



- Deployed and maintained critical applications on cloud-native micro services architecture, implementing automation, effective monitoring, and infrastructure as code.
- Participate in the entire software development lifecycle, from requirements gathering to design, implementation, testing, and deployment.
- Collaborate with cross-functional teams including product managers, designers, and QA engineers to deliver robust software solutions.
- Design and architect scalable and efficient Java-based systems to meet business requirements.
- Write clean, efficient, and well-documented code using Java and related technologies.
- Implement and integrate third-party APIs, libraries, and frameworks into Java applications.
- Delivered DevOps pipelines automating the software development process, enhancing efficiency, security, stability, and quality of applications delivered by project and product teams.
- Evaluated different product offerings for logging, infrastructure as code, various security offerings, and provided recommendations for enterprise adoption initiatives, cost estimates, proposal reviews, and other roles to successfully launch applications on AWS/Azure Cloud infrastructure.
- Created & automated all container-based client applications, orchestration, auto-scaling, and cross-availability zone failover for the Builder platform ecosystem, leveraging Azure ARM/Bicep Templates, Azure Functions, Azure CLI, Azure Cloud App Services, AWS Elastic Beanstalk, AWS CDK, AWS ECS, EC2, S3, Lambda, and EKS/AKS/Kubernetes infrastructure using Helm, Cloud Formation, and Terraform.
- Built from scratch a development workflow, continuous integration and deployment pipeline using AWS Code Commit, Code Build, Code Pipeline, Azure DevOps Build Pipelines, Azure DevOps Release Pipelines, Azure DevOps Git Repos, Terraform, and Docker.
- Designed, built, and evolved production cloud infrastructure, employing automation and infrastructure-as-code (IaC), suggesting architecture improvements, and recommending process improvements.
- Adopted and implemented best practices and championed an engineering culture emphasizing Agile and DevOps.
- Created visualizations and dashboards to monitor systems and investigate anomalous events, deploying code to staging/production, interacting with CI pipelines, and resolving issues.
- Partnered with release and program management teams to set up and maintain testing environments/infrastructure.
- Collaborated with DevOps and engineering teams to implement cost-aware architectural best practices, such as optimizing storage tiers, enabling lifecycle policies, and leveraging server less computing services.
- Conducted regular cost reviews and cost optimization audits, identifying inefficiencies, cost anomalies, and opportunities for improvement, and implementing remediation actions accordingly.
- Led containerization initiatives, improving resource utilization and scalability for microservices-based applications.
- Implemented server less computing solutions, reducing operational overhead and optimizing costs for event-driven workloads.
- Designed and maintained infrastructure as code (IaC) using Terraform or ARM templates to provision and manage cloud resources on Azure or AWS, ensuring consistency, reliability, and scalability.
- Played an active role in monitoring server performance, network traffic to reduce performance bottleneck by enhanced performance monitoring.