JASIM KHALIL
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(.NET) PROJECT LEAD/ MANAGER | SOFTWARE ARCHITECT

Professional Achievements

A technically sophisticated team lead and senior software engineer with over 16 years of experience in designing, building, and implementing innovative software solutions. Skilled in translating complex business requirements into scalable, efficient technical solutions and developing RESTful APIs using .NET Core. Expertise spans .NET, ASP.NET, .NET Core, Angular 8+, JavaScript, and jQuery, with a strong foundation in performance tuning for online and batch processes.

Proficient in leveraging Object-Oriented Programming (OOP) and Design Patterns to create robust, modular solutions. Experienced in Azure Cloud architecture, DevOps CI/CD pipelines, API management, and hybrid cloud deployments, with deep knowledge of containerization, data migration, and cloud integration strategies. Extensive background in C# and Oracle databases, contributing to scalable, high-performing applications.

Demonstrated leadership in design reviews, technical issue resolution, and system architecture, with a focus on scalability and collaboration across teams. Developed custom data visualizations and charts for monitoring network statuses, bandwidth usage, and identifying failure points. Applied TypeScript to build reusable components, enhancing performance and reliability in reporting dashboards. Successfully delivered iterative updates through Agile methodologies, ensuring regular improvements aligned with user needs.

Experienced in managing the full Software Development Lifecycle (SDLC) – including requirements gathering, design, development, testing, and deployment – with a specialization in full-stack development across Angular 16+, .NET Core 5+, MS SQL, and PostgreSQL. Skilled in building and supporting in-house applications, creating REST and SOAP APIs, and integrating with external systems. Knowledgeable in Git, DevOps CI/CD practices, and Scrum methodologies. Demonstrated ability to analyse business systems, identify opportunities for improvement, and deliver impactful technical solutions. Automated business processes with custom Windows services in VB.NET, streamlining data synchronization and notification processes.

Technical and Interpersonal Skills

Experience serving as a lead software developer.
Building, supporting, and enhancing applications in a cloud environment.
Experience creating web services/API development with REST and SOAP protocols, XML and JSON formats.
Experience with spring .Net/Java, hibernate, TFS/VSTS/Azure DevOps, CI/CD and Fiddler, SoapUI, Single page application frameworks like Angular/asp.net user controls and Postman or equivalent tools.
Experience with C#, .NET, J2EE, JSP, SQL and NoSQL
Experience conducting peer reviews with software developers.
Strong fundamentals including an understanding of data structures, concurrent programming, and design patterns.
16+ years' experience with Java/.Net Technologies, Console based App, Web API Rest Services.
16+ years' experience in the web development process (Design, Development, and deployment) across the UI stack covering HTML5, CSS3, JavaScript (ES6), and JavaScript/jQuery to develop user-friendly interfaces and dashboards.
Extensive experience in Aspect-oriented programming in Test Driven Development TDD, developing infrastructure framework using Inversion of controls, Dependency Injection Unity.
Diagnosed and resolved complex software issues by employing systematic debugging techniques, resulting in reduction in system downtime.

Languages and Technologies

Programming Languages	**:**	C#, ASP.NET, VB.NET, XAML, XML, HTML/HTML5, CSS/CSS3, JavaScript, jQuery, SQL, PHP, Assembly, C, C++, Visual Basic, Perl, Python, Responsive Design.
Databases	**:**	Oracle (8i/9i/10g/19c), MySQL, SQL Server, SQL Compact Edition (CE).
Operating Systems	**:**	Windows, Linux, Unix, Mac, Android, Xamarin
Microservices & Container	**:**	AWS ECS, Docker, Kubernetes, Azure Kubernetes Service (AKS), KubeMQ, RabbitMQ, Kafka.
Version Control & CI/CD	**:**	Git, Azure DevOps, Bitbucket, Jenkins, SourceTree, CI/CD Pipelines
Frameworks & Architectures	**:**	ASP.NET MVC, .NET Core, Windows Forms, WPF, WCF, .NET Remoting, OOP,

		DAO, ADO.NET, AngularJS, CodeIgniter, WebDAV, N-Tier Applications, POS Systems
Development Tools & IDEs	**:**	Visual Studio .NET, Microsoft SQL Server Management Studio (SSMS), Oracle Database Tools, Dreamweaver, MS Project, MS Visio, IIS.
Reporting Tools	**:**	Crystal Reports, RDLC, SQL Server Reporting Services (SSRS).
Web Services & APIs	**:**	ASP.NET Web API, RESTful APIs, WCF, SOAP.
Service-Oriented Architecture	**:**	WCF, REST APIs, Web Services
Third-Party Integrations	**:**	PayPal, Authorize.Net, Viddler, Vimeo, MIGS, Google, AdWords, social media APIs.
Business Intelligence (BI)	**:**	OLAP Tool OpenI (J2EE), Power BI.
Agile Methodologies	**:**	Scrum, Kanban.
Data Analytics & ETL	**:**	Apache Spark, ETL Pipelines, Python

Education

Master's in business administration from university.	2009-2012
Bachelor's Software Engineering from Bahria MAJU University.	2002-2006

Major Projects:

Time Warner Cables - USA: Performance Management application, a highly usable performance management reporting system to help detect and address churn. The application was designed to have a Google Analytics-like interface, and work on top of existing business intelligence and data structure investments to provide a cost-efficient, intuitive, and scalable analytics solution.

NAVITECH, INC - USA. Platform for employees to select from multiple insurance plans suits best according to their requirement, customize web application for each company using while labelling functionality.

Constructionphotodocs.com - USA An application that used to store all the information and data, that is required on a construction site. Site maps, architectural details, architecture progress, photographers, floor maps. **LikeLive.com**

Education An application was used to conduct online test for different universities. **LikeLive.com Career** An application was used to conduct online interviews for different organizations.

ESIS (ADEK) - Remote Initially managed by **Pearson** and was implemented in schools across Canada later took over by ADEK internal technical team. Similar to **PowerSchool,** eSIS is a student information system for education establishments to manage student data. Student information systems provide capabilities for registering students in courses, documenting grading, transcripts, results of student tests and other assessment scores, building student schedules, tracking student attendance, and managing many other student-related data needs in a school. All public and private schools in Abu Dhabi and Alain are using this system and it is managed my ADEK.

Innovation tool - UAE. Developed to share the ideas between employees, further that idea will be open for voting, after passed voting it goes for implementation.

Correspondence workflow System - UAE. A workflow system developed using latest window workflow foundation 4.5, dynamic generation of list of approvers at run time, approver can either approve, reject, send back for revision or delegate the correspondence.

Domain Knowledge

Logistics.	Education.	Real Estate.	Kiosk Solutions.	Retail/Point of Sales
Insurance.	Oil and Gas.	Law Firms.	Logistics.	Textile.
Retail/Point of Sales.	Social networks.	Supply Chain.	Insurance.	

Employment:

Geopaq Logic Inc | ADEK- Irvine, California (Remote) **Oct 2016 – Present**
Project Lead/ Manager | Software Architect (.Net)
Roles and Major Responsibilities

Leading development teams to design and implement scalable solutions while ensuring adherence to architectural best practices. Overseeing the integration of advanced tools like Splunk and Data Dog for monitoring and troubleshooting. Managing and optimizing 3-tier application architectures, IIS configurations, and load-balancing strategies to ensure system reliability. Establishing robust CI/CD pipelines and ensuring seamless deployment using PowerShell scripts and AWS services. Facilitating communication and collaboration across teams, troubleshooting critical issues, and providing technical guidance on message queuing, cloud infrastructure, and database optimization.

Key Achievements and Contributions:

- Directed a team of 12 engineers to migrate a legacy .NET application to AWS cloud, ensuring timely delivery within budget.
- Designed and implemented a 3-tier architecture for enterprise-grade applications, ensuring scalability and high performance.
- Implemented advanced Angular services to streamline data management and state handling across components.
- Developed robust and scalable microservices using .NET Core 7.0, following clean architecture principles and CQRS patterns.
- Integrated RabbitMQ for message queuing and asynchronous communication, enhancing application responsiveness.
- Designed and implemented event-driven architectures using Amazon SNS and SQS, enabling reliable message processing in .NET services.
- Designed isolated and secure network environments for .NET applications using AWS VPC, Subnets, and Security Groups.
- Utilized AWS services like S3, EC2, and Lambda for cloud-based solutions, improving system reliability.
- Implemented IIS configuration and load balancing to ensure high availability and fault tolerance.
- Built and deployed containerized applications using Docker, orchestrated with Kubernetes.
- Utilized AWS RDS for SQL Server to build robust and scalable database solutions for .NET applications.
- Built serverless .NET solutions by integrating AWS Step Functions for orchestrating complex workflows.
- Integrated Amazon S3 for file storage and retrieval within .NET applications, implementing secure access with IAM roles and policies.
- Built dynamic, responsive UI components using Angular and integrated them with RESTful APIs for interactive applications.
- Designed and implemented a scalable Angular front-end integrated with .NET Core back-end APIs, ensuring a seamless user experience.
- Automated infrastructure management and deployments using PowerShell scripts.
- Developed and deployed .NET microservices using Amazon ECS with Docker containers for scalable and isolated workloads.
- Configured AWS CloudWatch to monitor application performance and create custom alarms for proactive issue resolution.
- Designed and optimized relational databases using SQL Server, with a focus on performance tuning and query optimization.
- Configured Splunk and Data Dog for system monitoring, log analysis, and application performance tracking.
- Developed secure APIs (SOAP and REST) for seamless integration between systems and third-party applications.
- Enhanced system reliability through advanced troubleshooting and root cause analysis of critical issues.
- Integrated RESTful APIs with Angular front-end for real-time data display and processing.
- Migrated legacy .NET applications to the cloud, leveraging AWS Elastic Beanstalk for seamless deployment and scaling.
- Leveraged Windows Server and Active Directory for managing user authentication and access control.
- Architected and implemented an event-driven system using RabbitMQ and Azure Event Grid for high-throughput data processing.
- Utilized Angular forms, RxJS for reactive programming, and state management for seamless front-end workflows.
- Implemented secure authentication and authorization in .NET applications by integrating AWS Cognito for user management.
- Developed RESTful APIs in .NET Core and deployed them in AWS environments, ensuring high availability using Elastic Load Balancing (ELB) and Auto Scaling Groups.
- Performed application performance optimization by analyzing AWS X-Ray traces for bottleneck identification.
- Monitored and improved application performance with Data Dog dashboards and custom metrics.

- Configured load balancing strategies to distribute traffic efficiently across servers, ensuring minimal downtime.
- Developed PowerShell scripts for automating administrative tasks, backups, and deployments.
- Worked extensively with AWS CloudWatch and Splunk to monitor, log, and analyze system activities and resolve incidents proactively.
- Designed responsive UIs in Angular with Bootstrap and Material Design to improve user engagement.
- Developed and deployed Angular applications integrated with AWS S3 for efficient file handling and storage.
- Created disaster recovery strategies for .NET applications using AWS Backup and Amazon S3 Glacier for long-term data storage.
- Integrated AWS API Gateway with .NET Core services to enable secure and scalable API management.
- Optimized IIS server configurations to handle high volumes of concurrent traffic effectively.
- Conducted rigorous testing, including load and stress tests, to ensure system reliability under peak conditions.
- Improved application logging mechanisms using Splunk and custom logging frameworks for better traceability.
- Implemented Data Dog's APM tools to monitor application health and identify potential performance issues.
- Developed and optimized complex Angular components and reusable directives to reduce redundancy.
- Led troubleshooting sessions to resolve critical production issues, minimizing downtime and business impact.

Environment: .NET Core, C#, Angular, IIS, SQL Server, RabbitMQ, Windows Server, AWS (S3, EC2, Lambda, CloudWatch), PowerShell, Splunk, Data Dog, Docker, Kubernetes, REST APIs, SOAP, Azure DevOps, Active Directory, NCR POS, Framework, SSIS, Power BI, Git, Bitbucket, Jenkins, JIRA, SignalR, OWIN, SQL Database

Yb Tech | Likelive.com | Constructionphotodocs.com Irvine, California **Feb 2013 - Sep 2016**
.Net Principal Engineer
Responsibilities:

- Designed and developed scalable .NET applications using C# and .NET Core, optimizing performance and maintainability.
- Built RESTful APIs integrated with SQL Server, ensuring reliable real-time data processing and seamless system interactions.
- Developed cross-platform mobile applications using Xamarin and .NET MAUI for seamless functionality on iOS and Android.
- Utilized MVVM architecture to build scalable and maintainable mobile application components.
- Developed modern front-end applications using AngularJS to enhance user experience and functionality.
- Developed and maintained cross-platform mobile applications with Xamarin and .NET MAUI, ensuring compatibility across iOS and Android.
- Created modular UI components using XAML for Windows and mobile platforms, ensuring responsive and consistent user interfaces.
- Conducted performance optimization to enhance app responsiveness and reduce load times.
- Enhanced MVC applications by implementing jQuery, AJAX, and Razor for improved client-side functionality and responsiveness.
- Migrated legacy systems to Azure, leveraging Azure Data Factory (ADF) and Azure SQL Database for efficient data transformation.
- Built RESTful APIs integrated with AngularJS front-end to deliver real-time data and ensure smooth UI interactions.
- Implemented advanced UI enhancements using AngularJS controllers, directives, and dependency injection.
- Published and maintained mobile applications in Google Play Store and Apple App Store, managing updates and user feedback.
- Implemented OAuth2 and JWT for secure authentication and access control in mobile and web applications.
- Refactored applications using SOLID principles to improve code readability, maintainability, and scalability.
- Automated CI/CD pipelines using Azure DevOps to streamline build, test, and deployment processes.
- Developed and maintained modular front-end components, ensuring scalability and reusability using AngularJS modules.
- Utilized Entity Framework for efficient database interactions, enhancing performance and supporting CRUD operations.
- Conducted unit testing with NUnit and automated UI testing for mobile apps to ensure quality and reliability.
- Developed VSTO Word Add-ins to integrate Microsoft Word with SharePoint Online, streamlining document workflows.

- Developed custom UI/UX designs using XAML, ensuring user-friendly and visually appealing mobile interfaces.
- Conducted performance optimization, including memory management and asynchronous programming, to enhance application responsiveness.
- Enhanced MVC applications by implementing jQuery, AJAX, and AngularJS for seamless client-side operations.
- Designed workflows with Azure Functions and Logic Apps to automate manual processes and reduce operational costs.
- Integrated third-party libraries and SDKs to enhance mobile app functionality, including payment gateways and social login features.
- Integrated AngularJS with .NET back-end services for dynamic data retrieval and user interaction.
- Mentored junior developers on .NET Core, Blazor, and best coding practices, fostering team growth and productivity.
- Conducted technical reviews to align solutions with industry best practices and project goals

Environment: ASP.NET, .NET Core, C#, AngularJS, MVC, Jira, AWS (S3, DynamoDB, Lambda), Azure (Function Apps, Service Bus), React.js, Razor, Bootstrap, jQuery, REST APIs, OAuth 2.0, SOLID principles, Jenkins, GitLab, GitHub, GitFlow, TDD, Salesforce Lightning, Zoho Creator, VSTO, SharePoint Online.

USA Navitech, INC | Ten Pearls – Irvine, California **Aug 2009 - Jan 2013**
.Net Team Lead, Senior Software Eng
Responsibilities:

- Designed and developed investment platforms supporting large asset portfolios, incorporating features for asset allocation, risk management, and performance analysis.
- Led modernization efforts for legacy applications by migrating components to efficient architectures, improving system performance and scalability.
- Architected WinForms and mobile applications using the MVP pattern, enabling separation of concerns and maintainable design.
- Built and maintained responsive web applications with the Razor view engine, HTML, CSS, and jQuery, ensuring user-friendly interfaces and reduced page load times.
- Developed interactive and responsive web applications using AngularJS and Razor, improving UI functionality.
- Configured MVC routing to enable custom URL paths, enhancing SEO and improving navigation structure for better usability.
- Designed robust, data-driven applications in C#.NET and the .NET Framework, meeting enterprise standards for performance and scalability.
- Improved application reliability through comprehensive exception handling and detailed logging mechanisms in VB.NET.
- Optimized MS-SQL Server and Oracle database performance with indexing, stored procedures, and query optimization to handle large datasets efficiently.
- Automated batch processes and file handling workflows using Windows Task Scheduler and custom VB.NET scripts, reducing manual intervention.
- Configured MVC routing and integrated AngularJS components to improve navigation and enhance UI design.
- Developed RESTful APIs to enable secure third-party integrations, enhancing system interoperability.
- Led database optimization initiatives, creating and refining indexes and writing optimized SQL queries with robust error handling.
- Enhanced UI/UX in enterprise CRM platforms with responsive design principles using Bootstrap and CSS, ensuring compatibility with mobile devices.
- Designed and implemented disaster recovery strategies for Oracle databases, improving resilience and data security in hybrid environments.
- Migrated legacy front-end applications to modern AngularJS frameworks for better maintainability and performance.
- Managed application deployments on Azure VMs and on-premises servers, automating processes to improve efficiency.
- Conducted unit and integration testing with MS Test and NUnit, ensuring high-quality and reliable code.
- Transitioned from monolithic to modular application architecture, improving maintainability and reducing time to market for new features.
- Mentored junior developers in design patterns, coding standards, and best practices in C#.NET and MVC development.

- Improved UI responsiveness using HTML5 and advanced jQuery techniques, creating dynamic and user-friendly applications.
- Created and maintained detailed database diagrams to document and optimize database architecture for better development workflows.
- Oversaw version control workflows with Git, ensuring smooth collaboration across distributed teams.
- Collaborated with QA teams to identify, document, and resolve issues early in the development lifecycle, improving product quality.
- Improved UI responsiveness and interactivity using AngularJS directives, filters, and advanced jQuery techniques.
- Automated deployments and streamlined DevOps workflows for on-premises and cloud-based applications.
- Refined application architecture to align with enterprise standards, ensuring scalability, maintainability, and performance optimization.

Environment: ASP.NET, .NET Framework, C#, AngularJS, VB.NET, MVC, Razor, GraphQL, Oracle Database, SQL Server, MS-SQL, SQL, Xcode, Bootstrap, HTML5, CSS, jQuery, MS Test, NUnit, RESTful API, Git, Windows Task Scheduler, MVP design pattern, Azure VMs (for infrastructure setup).

Software Engineer Apvision **Jan 2007 - Jul 2009**
Responsibilities:

- Contributed to the development of a Business Development Reporting System, improving data tracking and report generation for actionable business insights.
- Maintained and supported legacy systems during their transition to updated platforms, ensuring uninterrupted availability and functionality until the legacy systems were retired.
- Enhanced application modularity by developing plug-in modules and reusable libraries for VB.NET-based applications, reducing development cycles for new features.
- Designed and implemented Graphical User Interfaces (GUIs) in ASP.NET 2.0 using .NET controls and C#, improving user interactions and system responsiveness.
- Developed web and Windows applications for both intranet and internet use, meeting the needs of internal and external stakeholders.
- Optimized database operations by designing efficient schemas, writing T-SQL stored procedures, and refining SQL Server 2005 queries to improve response times.
- Built and integrated data access layers (DAL) using ADO.NET, ensuring reliable and efficient interactions with SQL Server databases.
- Utilized AJAX in Web Forms for dynamic content updates, enhancing user experience with reduced load times and seamless interactions.
- Created multi-layered application architectures in VB.NET, separating presentation, business logic, and data layers for better maintainability and scalability.
- Integrated reusable DLLs for Windows applications, standardizing functionality and reducing development redundancy across multiple projects.
- Collaborated closely with business analysts to translate functional requirements into robust technical solutions, ensuring that deliverables met business objectives.
- Developed stored procedures for data migration and automated backfilling tasks, streamlining database maintenance processes.
- Improved UI design through the use of HTML, CSS, and basic JavaScript, creating responsive layouts and enhancing accessibility.
- Managed source code with Team Foundation Server (TFS), facilitating team collaboration and maintaining version control for large-scale projects.
- Participated in regular code reviews and refactoring efforts to enhance code quality, maintainability, and adherence to industry best practices.

Environment: .NET Framework 3.5, Visual Studio 2008, SQL Server 2005, ASP.NET, C#, ADO.NET, T-SQL, VB.NET, AJAX, XML, HTML, CSS, Web Forms, TFS.