

Seeking a Lead/Full Stack Developer role to architect scalable web solutions, drive innovation, and lead high-performing teams in delivering impactful digital products.

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CORE COMPETENCIES

Full Stack Web Development

Real-Time Data Processing

RESTful API Design & Integration

Team Leadership & Management

Back-End Development

Automated Reporting Systems

Software Development Lifecycle

Code Review & Technical Documentation

Manual Testing & Debugging



ACADEMIA | CERTIFICATIONS

B. Tech in Information Technology: Syed Ammal Engineering College, Ramanathapuram – 2014



TECHNICAL SKILLS

- Web Technologies:** HTML5, XHTML, CSS3, JavaScript, jQuery, Bootstrap, OpenFaces, RichFaces, Vuetify
- Frameworks:** Vue.js, Node.js
- Programming Languages:** Node.js, Core Java, PHP, Python
- Databases & Connectivity:** Oracle 12c, MySQL, SQLite | JDBC
- Reporting Tools:** Jasper Reports (Generating dynamic reports in PDF, Excel, Word, HTML, etc. from various data sources like Oracle and MySQL)
- Testing:** Manual Testing
- Servers:** Apache, XAMPP, WAMP
- Web API Testing Tools:** Postman, Talend API Tester, REST API
- Bug Tracking:** Trello
- Design & Multimedia Tools:** Adobe Photoshop CS3, Adobe Flash CS3, AVS Video Editor
- Mobile Application:** Python-Flat
- Real-Time Technologies:** WebSockets
- Operating Systems:** Windows 7, 8.1, 11
- Cloud :** AWS

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PROFILE SUMMARY

Experienced **Full Stack Engineer** with over **10 years** in software development, currently serving as a **Senior Software Engineer** at **Creative Micro Systems**. Specializes in building **real-time web applications**, integrating **Vue.js**, **Node.js**, and **Python** to deliver responsive dashboards, automated reporting, and scalable backend systems. Strong background in **RESTful API development**, **WebSocket integration**, and **CI/CD pipelines**, with practical knowledge of communication protocols like **TCP/IP**, **Modbus**, and **IEC-104**. Successfully led and contributed to multiple enterprise projects, including **CDCS**, **RMS**, **EMS**, and **TMS**, focused on monitoring, analytics, and data visualization for energy and industrial systems. Skilled in database design, performance tuning, and cross-functional collaboration. Known for modernizing legacy systems, enhancing user interfaces, and streamlining development processes through agile practices. A solid combination of technical expertise, problem-solving ability, and project ownership that consistently supports robust and reliable software solutions.



ACHIEVEMENTS

- Recognized as **Top Performer** – Creative Micro Systems, 2024
- Delivered 8+ enterprise modules within aggressive timelines
- Modernized legacy systems to responsive UIs



WORK EXPERIENCE

Senior Software Engineer | Creative Micro Systems, Bangalore, Karnataka | April 2019 – Present

Roles & Responsibilities:

- Architected and delivered responsive, cross-platform web applications using Vue.js, Node.js, and Bootstrap, enhancing system usability by 35%.
- Designed and implemented scalable RESTful APIs and optimized database schemas for high-traffic enterprise applications supporting 100K+ users.
- Developed real-time data streaming modules with WebSockets for critical monitoring systems, ensuring low latency and high reliability.
- Led a team of 6 developers to successfully deliver a complex reporting platform within tight deadlines, fostering collaboration and agile practices.
- Improved database performance by optimizing SQL queries and indexing strategies, reducing response times significantly.
- Implemented CI/CD pipelines using GitHub Actions and AWS, automating deployment workflows to EC2 instances and improving release efficiency
- Conducted thorough code reviews and vulnerability assessments to maintain high code quality and system security standards.
- Mentored junior developers and organized knowledge-sharing sessions to enhance team skills and productivity.

Software Developer | Cygnus SofTek India Pvt Ltd., Coimbatore | May 2015 – March 2019

Roles & Responsibilities:

- Developed dynamic web applications and backend APIs leveraging Core Java, PHP, and ASP.NET, integrated with Oracle and MySQL databases.
- Designed efficient database structures and optimized stored procedures, enabling smooth handling of large-scale datasets.
- Crafted engaging multimedia content and custom UI interfaces for client portals using Adobe Photoshop and Flash, enhancing user experience.
- Managed WAMP and XAMPP server environments for local development and user acceptance testing, ensuring smooth deployment workflows.
- Played an active role in the complete software development lifecycle (SDLC) from requirement analysis to deployment and support.
- Executed manual testing cycles, identified critical defects, and contributed to a 25% improvement in software quality.
- Collaborated closely with clients to gather requirements and translate business needs into effective technical solutions.
- Streamlined communication between cross-functional teams to accelerate project delivery and enhance client satisfaction.

**PLEASE REFER TO THE ANNEXURE FOR FURTHER DETAILS REGARDING PROJECTS UNDERTAKEN
THROUGHOUT THE CAREER.**

ANNEXURE

Project #1: CDCS – Central Data Collection System

Role: Full Stack Developer | **Technologies:** Vue.js, Node.js, Python (Automated Report Generation) | **Description:** An integrated system for real-time monitoring of substations under the power transmission corporation. It collects ABT Meter data via Data Concentrator Units using TCP/IP and GPRS and stores it centrally for visualization and reporting.

Responsibilities:

- Developed real-time dashboards with Vue.js for substation energy data.
- Built REST APIs with Node.js for data transmission and retrieval.
- Integrated Python scripts for automated daily/weekly/monthly reports.
- Designed MySQL schemas and optimized time-series data queries.
- Collaborated with teams for requirement gathering and module reviews.
- Conducted unit/integration testing and server deployment on Linux.

Project #2: RMS – Remote Monitoring System

Role: Full Stack Developer | **Technologies:** Vue.js, Node.js, Chart.js, ApexCharts, Stack/Queue, Google Maps API | **Description:** A web-based system to monitor and visualize real-time electrical parameters like voltage, current, and power using live dashboards, alarms, historical trends, and geo-mapping of assets.

Responsibilities:

- Developed responsive dashboards with Vue.js and data charts.
- Implemented REST APIs with Node.js and WebSocket for real-time updates.
- Integrated Google Maps API for geolocation of substations and feeders.
- Applied Stack/Queue data structures for real-time alert handling.
- Optimized frontend rendering for large datasets.
- Simulated real-time scenarios and supported UAT/debugging.

Project #3: TMS – Transformer Monitoring System

Role: Full Stack Developer | **Technologies:** Vue.js, Node.js, Chart.js, Python, MySQL, Google Maps API, WebSockets | **Description:** Monitors transformer parameters such as temperature, voltage, and load in real time. Provides fault analytics, predictive maintenance, and live visualization for improved transformer management.

Responsibilities:

- Built modular dashboards and live charts using Vue.js and Chart.js.
- Developed Node.js APIs for device data and configuration.
- Integrated Python scripts for temperature analytics and fault prediction.
- Used WebSockets for pushing real-time sensor alerts and updates.
- Mapped transformer health using Google Maps API.
- Managed MySQL time-series data schemas and scheduled reporting.

Project #4: EMS – Energy Monitoring System

Role: Full Stack Developer | **Technologies:** Vue.js, Node.js, Python, MySQL, Modbus Protocol, WebSockets, SMS/Email Gateway | **Description:** An energy management platform for industrial and commercial use, enabling sub-metering, analytics, and real-time monitoring of energy usage, power quality, and performance.

Responsibilities:

- Developed dynamic UIs with Vue.js for real-time consumption dashboards.
- Designed Node.js APIs for Modbus-based gateway communication.
- Integrated Python for abnormal event detection and analytics.
- Implemented WebSocket-based live updates and alert notifications.
- Built role-based access control and Single-Line Diagram (SLD) views.
- Developed automated reports (CSV, PDF) and event-driven SMS/Email alerts.

Project #5: RTU Interface – RTU2000

Role: Full Stack Developer (Web GUI) | **Technologies:** Vue.js, Node.js, REST APIs, WebSockets, Bootstrap/Tailwind CSS | **Description:** A web interface for Remote Terminal Unit (RTU) configuration used in power distribution. Supports protocols like Modbus RTU, DNP3, and IEC-104 with real-time status monitoring and system diagnostics.

Responsibilities:

- Created web GUI with Vue.js for RTU configuration and status.
- Developed modular UI for digital/analog input-output indicators.
- Integrated REST APIs for configuration management.
- Implemented WebSockets for real-time system activity and SOE logs.
- Worked closely with embedded teams for hardware-software alignment.
- Ensured cross-browser compatibility and responsive design for tablets.

Project #6: HMS – Hotel Management System (Desktop Application)

Role: Full Stack Developer | **Technologies:** JavaFX, Java, SQLite/MySQL | **Description:** A desktop-based application for managing hotel operations, including room occupancy, maintenance, and energy tracking, with integrated reporting features.

Responsibilities:

- Developed JavaFX UI for room tracking and hotel infrastructure.
- Implemented backend logic in Java for room/device management.
- Managed SQLite/MySQL schemas for configurations and history logs.
- Created daily/monthly summary reports on usage and occupancy.
- Ensured efficient backend-frontend data flow and validations.

Project #7: accel<>BI – Data Validation Module

Role: Frontend Developer | **Technologies:** Java, Web Services | **Description:** A validation module for comparing source and target business data files (Excel, PDF, BI reports) used by analysts and banking professionals to detect mismatches and anomalies.

Responsibilities:

- Designed interactive UI for uploading and managing datasets.
- Integrated web services to connect to backend validation engines.
- Developed clear reporting views for success/failure records.
- Supported large files and various formats for enterprise users.
- Assisted analysts in data review for monthly/yearly audits.

Project #8: Ultra Documents – Document Management System

Role: Frontend Developer | **Technologies:** ASP.NET | **Description:** A web application for automating the document creation, approval, and publishing process using templates and version control, enabling fast generation of reports and business documents.

Responsibilities:

- Developed UI components for document editing and template management.
- Integrated frontend with backend workflow systems.
- Enabled dynamic document rendering and automated generation.
- Focused on responsive, intuitive user interface design.
- Worked with backend teams for seamless workflow execution.

Key Projects

- **Real-Time Monitoring Dashboard:** Built with Vue.js and WebSockets for live system data visualization.
- **Internal HRMS System:** Developed using ASP.NET, Bootstrap, and Oracle DB to streamline HR operations.
- **E-commerce REST API:** Created a Node.js backend for vendor portal, supporting product and order management.