

GAUTHAM MADHU

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PROFESSIONAL SUMMARY

Results-driven Software Engineer with 6.1+ years of expertise in full-stack development, specializing in React, Node.js, Python, and cloud technologies. Proven track record of delivering high-impact solutions for global enterprises in banking, finance, and e-commerce sectors. Expert in building scalable applications, optimizing system performance, and leading cross-functional teams to exceed project objectives. Adept at translating complex business requirements into robust technical solutions, with hands-on experience in microservices architecture, real-time data processing, and third-party API integrations. Currently pursuing M.Tech in AI/ML to stay at the forefront of emerging technologies.

TECHNICAL SKILLS

Languages:	JavaScript/TypeScript (Expert), Python (Good), SQL (Good), Java
Frontend:	React & Redux (Expert), Angular, Next.js
Backend:	Node.js & Express (Good), Django (Good), REST & GraphQL APIs
Databases:	PostgreSQL, MongoDB, Oracle DB, InfluxDB
Cloud & DevOps:	AWS (EC2, S3, Lambda), Docker & Kubernetes, CI/CD Pipelines
Tools:	Git & GitHub, JIRA & Confluence, Grafana & Prometheus

PROFESSIONAL EXPERIENCE

Senior Software Engineer

Triassic Solutions Pvt Ltd | July 2023 – Present

- **Clinch – AI-Driven Sales Platform:** Led full-stack development using Node.js and React.js. Architected and deployed an enterprise sales application with seamless third-party integrations including Salesforce, LinkedIn, Outlook, and Gmail. Implemented AI-driven email automation and intelligent sales workflows that increased team productivity by streamlining prospect engagement and follow-up processes.
- **e-Boost – EV Charging Management System:** Developed comprehensive full-stack solution with React.js, Retool, and Django for end-to-end EV infrastructure management. Built real-time monitoring dashboards with MQTT-based actuation for charging stations, solar panels, and backup generators. Implemented data visualization for power metrics, fuel levels, and energy output, enabling operators to optimize resource allocation and reduce downtime.

Technology Analyst

Infosys Limited | November 2019 – July 2023

- **HSBC Global Trade & Receivable Finance (GTRF):** Developed comprehensive UI for loan booking and verification workflows, enhancing operational efficiency for global trade finance operations. Collaborated with cross-functional teams to implement secure, compliant financial transaction processing, serving clients across multiple regions.
- **HSBC G3 Application Suite:** Built intuitive UI for automated internal deployment tool leveraging Ansible and DBAi, streamlining deployment processes and reducing manual intervention. Enhanced CI/CD workflows that significantly decreased deployment time and improved release reliability.
- **HSBC CDSS – Confluence Data Scan Solution:** Created sophisticated UI for automated data issue detection, flagging, and user assignment workflows on Confluence. Improved data quality management by enabling teams to quickly identify, track, and resolve data inconsistencies across enterprise documentation.

KEY ACHIEVEMENTS

- Successfully delivered enterprise-grade applications for HSBC, one of the world's largest banking institutions, ensuring compliance with stringent financial regulations and security standards.

- Architected and implemented real-time IoT monitoring solutions processing data from multiple sources including EV chargers, solar panels, and generators using MQTT protocol.
- Integrated multiple third-party APIs (Salesforce, LinkedIn, Gmail, Outlook) into unified platforms, enhancing business workflow automation and user productivity.
- Mentored junior developers and conducted code reviews to maintain high code quality standards and promote best practices across development teams.

EDUCATION

Master of Technology (M.Tech) – AI/ML | BITS Pilani (WILP) | Currently Pursuing

Bachelor of Technology (B.Tech) – Electrical and Electronics Engineering | APJ Abdul Kalam Technological University, Kerala | 2015 – 2019 | CGPA: 7.43

Higher Secondary Education | St. Peters Senior Secondary School, Kerala | 89.6% (CBSE)