

Aqib Javed

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PROFESSIONAL SUMMARY

Senior Full Stack Engineer with 7+ years of experience building scalable SaaS and data-driven systems using Node.js, React.js, and AWS. Experienced in designing distributed architectures, real-time systems, and high-performance APIs. Strong background in serverless infrastructure, database optimization, analytics platforms, and AI-powered monitoring systems. Proven ability to deliver production-grade systems handling high-volume workloads.

PROFESSIONAL EXPERIENCE

Senior Full Stack Developer · [Metric](#)

Feb 2025 – Present

- Build and maintain **FinTech web applications** using **React.js and Node.js**, delivering scalable solutions for financial data management and business accounting workflows.
- Design and develop **backend services and APIs** to support financial operations, transaction processing, and accounting data synchronization.
- Implement **secure authentication and authorization systems** using **Cognito**, ensuring safe access to financial data and multi-tenant applications.
- Integrate third-party **accounting platforms such as Qoyod** to synchronize financial records, invoices, and ledger data between external systems and internal applications.
- Develop **banking integrations using APIs like Plaid and Spare**, enabling secure connections with financial institutions for transaction retrieval and financial data aggregation.
- Optimize **database queries and caching strategies** to support high-read financial workloads and improve system responsiveness.
- Improve **application performance and reliability** across core financial modules handling transaction data and reporting.

Full Stack Developer · [ProCheck](#)

Jun 2021 – Feb 2025

- Sole engineer responsible for **end-to-end system architecture**, managing backend, frontend, database design, DevOps, and cloud deployments.
- Built an **IoT-driven manufacturing analytics platform** using **Node.js, React, MongoDB/PostgreSQL, and AWS Lambda** to process high-frequency industrial telemetry data.
- Designed **scalable backend services and real-time data pipelines**, enabling live monitoring of machine operations and production metrics.
- Implemented **real-time dashboards and analytics tools** visualizing key manufacturing KPIs including **OEE, Availability, Performance, Quality, MTTR, MTBF, and downtime analysis**.
- Developed a **17-KPI operational dashboard for PepsiCo's transforming plant**, converting machine data into actionable insights on **efficiency, utilization, and production performance**.
- Integrated **Power BI reporting** to generate advanced analytics and executive-level operational reports.

- Implemented **AI-based machine anomaly detection using AWS Bedrock**, analyzing sensor data such as **vibration and temperature** to predict equipment faults.
- Managed **serverless cloud infrastructure on AWS**, utilizing **Lambda, Amplify, Cognito, and DocumentDB** for secure and scalable deployments.
- Built **real-time socket-based systems** for continuous machine data ingestion and monitoring.
- Optimized system performance by implementing **database indexing, query tuning, and caching strategies**, significantly improving API response times.

Software Engineer · [Mauqa Online](#)

Mar 2019 – Jun 2021

- Automated call center workflows reducing manual effort by 30%.
- Developed backend APIs supporting mobile and web applications.
- Built full-stack systems using Laravel, AngularJS.
- Managed deployments on AWS with GitHub/GitLab CI workflows.
- Optimized SQL queries for improved data retrieval performance.

Web Developer · [Cane Technologies](#)

Nov 2018 – Mar 2019

- Developed responsive web applications and optimized UI performance.
- Improved cross-browser compatibility and frontend performance.

Web Intern · [Oxmite Digital Ltd.](#)

Jul 2017 – Feb 2018

- Assisted in development and testing of web applications.

EDUCATION

Bachelor of Science in Computer Science (BSCS) · [COMSATS Institute of Information and Technology](#) 2014 – 2018

TECHNICAL SKILLS

Languages: JavaScript, PHP

Frontend: React.js, Next.js, Vue.js, AngularJS, HTML, CSS

Backend: Node.js, Laravel, REST APIs, Microservices

Cloud / DevOps: AWS (Lambda, Amplify, Cognito, S3, SES), Docker, CI/CD

Databases: MongoDB, PostgreSQL, MySQL, DocumentDB

AI / Data Systems: AWS Bedrock, Real-time Data Processing, Analytics Dashboards

Tools: Git, GitHub, GitLab