SATHISH P

Full Stack Developer | SDE — II

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PROFESSIONAL SUMMARY

Full-Stack Software Developer with 3+ years of experience building scalable enterprise and SaaS applications across healthcare, Attendance, and education domains. Skilled in developing end-to-end solutions using Angular, Vue/Nuxt, React, NestJS, and FastAPI with strong expertise in real-time communication using WebSockets, multi-tenant system design, and cloud integrations with AWS. Focused on clean architecture, performance optimization, and delivering production-ready applications.

PROFESSIONAL EXPERIENCE

Full Stack Developer   Finstein | July 2023 – Present

Working on enterprise-grade SaaS platforms and real-time healthcare systems used in production environments.

Key Contributions:

- Developed scalable frontend and backend modules across multiple business domains.
- Built RESTful APIs and real-time workflows using WebSockets / Socket.IO.
- Implemented secure authentication and RBAC using Keycloak and AWS Cognito.
- Optimized MySQL and PostgreSQL queries to improve system performance.
- Designed multi-tenant SaaS architecture ensuring strict data isolation.
- Integrated AWS services including S3 storage, SES notifications, and SMS services.
- Containerized applications using Docker for consistent deployments.
- Automated functional testing using WebdriverIO and Appium.
- Debugged production issues and improved reliability of live systems.

CORE SKILLS

Frontend	Angular, Vue 2/3, Nuxt 3, React, TypeScript, JavaScript, PrimeNG, Tailwind, Bootstrap
Backend	Node.js, NestJS, FastAPI, REST API Development, WebSockets, Microservices
Databases	MySQL, PostgreSQL, TypeORM, SQLAlchemy, ERD Data Modeling
Cloud & DevOps	AWS (Cognito, S3, SES, SMS), Docker, Linux Environment
Testing	WebdriverIO, Appium, Mocha, Android Studio
Tools	Git (GitHub, GitLab), Postman, VS Code

ACHIEVEMENTS

- Delivered multiple production-ready full-stack modules, from UI to backend services.
- Built and optimized real-time systems ensuring low latency and high responsiveness.
- Integrated AI-driven features into applications to enhance automation and insights.
- Improved system performance through API, database, and frontend optimizations.
- Independently owned and delivered complex features as an SDE-II.
- Ensured high code quality through refactoring, testing, and reviews.
- Collaborated effectively with cross-functional teams to meet tight delivery timelines.
- Resolved critical production issues, maintaining system stability and reliability.

PROJECTS

Attendance & Workforce Management Platform
Tech Stack: Angular, NestJS, MySQL, TypeORM

Enterprise platform for automated attendance using Face Recognition, QR Scan, GPS Geo-fencing, and Biometrics with payroll, leave, and regularization workflows.

- Developed the complete Regularization Module (frontend + backend).
- Designed APIs for attendance correction and approval workflows.
- Optimized backend queries to handle peak usage efficiently.
- Ensured accurate payroll-related attendance processing.

Medical Real-Time Diagnostic Web Application
Tech Stack: Nuxt 3, Vue 3, FastAPI, PostgreSQL, WebSockets, Keycloak, Docker

Real-time medical diagnostic system for secure acquisition, validation, and preview of clinical data with compliance-driven workflows.

- Built real-time workflows using FastAPI and WebSockets.
- Implemented secure RBAC authentication using Keycloak.
- Optimized PostgreSQL queries for low-latency performance.
- Containerized services using Docker for scalable deployment.

Multi-Tenant SaaS Collaboration Platform
Tech Stack: React.js, Vite, NestJS (Microservices), Redis, Socket.IO, TypeORM, Docker, AWS

Healthcare SaaS platform enabling secure tenant-based collaboration and operational workflow management.

- Developed multi-tenant architecture ensuring secure tenant isolation.
- Implemented real-time collaboration features.
- Integrated Redis caching for performance improvement.
- Configured AWS services including Cognito authentication and S3 storage.

Learning Management Application
Tech Stack: React.js, Node.js, MySQL, TypeORM

Online coaching platform offering live/recorded classes, mock tests, and personalized study tracking.

- Built responsive frontend across mobile, tablet, and desktop.
- Integrated backend APIs for course management and authentication.
- Implemented UI for learning workflows and progress tracking.

Mobile & Web Application Automation Testing
Tech Stack: WebdriverIO, Appium, Android Studio

Automation framework to validate UI and functional workflows across mobile and web applications.

- Developed reusable automated test scripts for full application coverage.
- Implemented cross-device and cross-browser testing workflows.
- Reduced manual testing effort through automation.

EDUCATION

B.E – Electronics and Communication Engineering   **2019 – 2023**
Government College of Engineering, Erode