MOHAMED ALAVUDEEN

Full Stack Developer | Java, Spring Boot & Angular

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Professional Summary

Full Stack Developer with 2 years of experience building secure, scalable web applications using Angular, TypeScript, Java, and Spring Boot. Experienced in developing microservices, REST APIs, multi-tenant SaaS platforms, and containerized deployments on AWS. Skilled in NgRx, RxJS, Keycloak, Docker, PostgreSQL, and Agile development, with hands-on experience delivering end-to-end solutions from frontend architecture to backend services and cloud deployment.

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Technical Skills

- Languages: Java, TypeScript, JavaScript, HTML5, CSS3
- Frontend: Angular 16+, RxJS, NgRx, Bootstrap, Ant Design, Responsive Web Design
- Backend: Spring Boot, Spring Security, RESTful APIs, Microservices Architecture, Hibernate/JPA, JWT, Keycloak
- Databases: PostgreSQL, Supabase (PostgreSQL)
- Cloud & DevOps: AWS (EC2, S3), Docker, Kubernetes, CI/CD (Jenkins, GitHub Actions), GitHub, Netlify
- Testing & Quality: JUnit, Jasmine/Karma, Postman, Code Review
- Monitoring & Logging: Grafana, Application Monitoring, Log Analysis
- AI & Developer Tools: GitHub Copilot, Claude API Integration, Cursor
- Tools: Git, GitHub, Bitbucket, Jira, DBeaver, IntelliJ IDEA, VS Code
- Core Concepts: OOP, Component-Based Architecture, State Management, System Design, Agile/Scrum

Professional Experience

Software Developer | MaintWiz Technologies Pvt Ltd. *05/2024 – Present | Chennai*

- Developed scalable Spring Boot microservices for the Mould Lifecycle Management (MLC) platform, building REST APIs for Mould Creation, Maintenance, Cost Management, Capacity Planning, and Refurbishment.
- Containerized Spring Boot and Angular applications with Docker, deployed on AWS EC2, and configured CI/CD pipelines (Jenkins, GitHub Actions) to automate build, test, and release cycles, cutting manual deployment effort.
- Implemented Grafana dashboards for real-time monitoring, log analysis, and production health tracking, improving incident response time.
- Engineered secure multi-tenant authentication and RBAC using Keycloak and Spring Security, enabling SSO, tenant-aware data isolation, and audit-ready access control.
- Led Angular frontend architecture within a 5+ member Agile team, implementing lazy-loaded modules and migrating enterprise features to Angular Signals to improve performance and maintainability.
- Integrated Claude AI API to build natural language search and intelligent recommendations, reducing manual data lookup effort for end users.
- Wrote unit tests with JUnit (backend) and Jasmine/Karma (frontend) as part of the Agile workflow, improving code reliability and reducing regressions.
- Optimized PostgreSQL queries, enforced business validations, participated in code reviews, and resolved production issues to improve application performance and reliability.

Junior Developer Intern | Cloud Ecs Infotech *12/2022 – 05/2023 | Chennai*

- Designed and developed a full-featured car showroom management system covering inventory management, sales tracking, and CRM, streamlining operations and reducing manual effort.
- Designed personalized, user-friendly UI features, improving customer engagement and satisfaction by 30%.
- Integrated role-based access control (RBAC) across admin, sales, and service teams, reducing unauthorized access incidents by 20%.

Projects

Meal Booking & Management System | Self Employed *10/2023 – 01/2024 | Chennai*

Technologies: Java, Spring Boot, JWT, Hibernate, PostgreSQL, Angular

- Built and deployed a Meal Booking & Management System serving 300+ active users for daily meal scheduling and operations.
- Developed secure REST APIs using Spring Boot, Spring Security, and JWT with role-based access for Admin and User portals.
- Implemented meal booking, attendance tracking, user approval, automated fine calculation, expense tracking, and reporting modules.
- Designed the backend with Hibernate/JPA and PostgreSQL for reliable, efficient data management.
- Built a responsive Angular frontend and deployed via GitHub and Netlify for consistent, automated releases.

Hostel & PG Management System | Self Employed *06/2023 – 09/2023 | Chennai*

Technologies: Angular, TypeScript, Supabase, PostgreSQL, Supabase Authentication, GitHub, Netlify

- Developed a Hostel & PG Management System adopted by 15+ PG/Hostel businesses to streamline room allocation, occupancy, and tenant management.
- Implemented secure role-based authentication and authorization using Supabase Authentication for Admin and Staff users.
- Built modules for vacancy tracking, payment management, expense tracking, dashboards, and business reporting.
- Designed a responsive Angular frontend integrated with Supabase PostgreSQL for real-time data management.
- Deployed the application via GitHub and Netlify, enabling automated, cost-effective frontend hosting.

Education

Bachelor of Engineering (Electronics & Communication Engineering) | Sethu Institute of Technology *2019 – 2023 | Virudhunagar*

CGPA: 8.6 — First Class, no backlogs

Languages

English, Tamil, Malayalam