

Sohan Wani

Java Fullstack Developer | AWS

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Professional Summary

Software Engineer with 4 years of experience developing enterprise applications using Java, Spring Boot, and Angular. Skilled in full-stack development, REST APIs, Angular components, database integration, debugging, and production support. Proficient in TypeScript, JavaScript, SQL, Spring MVC, Spring Data JPA, Hibernate, RxJS, and SQL/NoSQL databases. Strong in OOP, SOLID principles, design patterns, data structures and algorithms, and system design. Experienced with JUnit, Mockito, Jasmine and Karma.

Technical Skills

Programming Languages: Java,, JavaScript (ES6+), TypeScript, SQL, Python **Frontend:** Angular 16, HTML5, CSS3, Bootstrap, Angular Material, RxJS **Backend:** Spring Boot 3, Spring MVC, Spring Data JPA, Hibernate, REST APIs, MVC Architecture **Databases:** Oracle, Amazon Redshift, PostgreSQL, MySQL, MongoDB **Cloud & Infrastructure:** AWS, Terraform **Testing:** JUnit, Mockito, Jasmine, Karma **Software Engineering:** OOP, SOLID Principles, Design Patterns, Data Structures & Algorithms, System Design **Tools:** Git, GitHub, GitLab, Postman, Swagger, Chrome DevTools

Work Experience

Tata Consultancy Services (TCS)

Oct 2022 – Present

System Engineer

- Developed a multi-database Spring Boot architecture integrating Oracle and Amazon Redshift with independent data sources, connection pools, transaction managers, and JPA entity managers; managed schema migrations using Flyway versioned and repeatable scripts across multiple environments, and optimized database performance using native SQL, CTEs, UNION ALL, batched lookups, Hibernate fetch-size tuning, JdbcTemplate bulk operations, cross-database data orchestration, enrichment, joins, and unified pagination.
- Developed a reusable Angular frontend with RxJS BehaviorSubject-based state management, Web Workers, route guards, and role-based access control; optimized application performance using lazy loading, tree shaking, OnPush change detection, and Async Pipe, reducing initial bundle size by 40–60%, memory consumption by 30%, and development build times by 40%, while improving accessibility to 95%+ WCAG compliance through ARIA labels and keyboard navigation.
- Developed unit tests for critical business workflows using JUnit and Mockito, including mocking, argument capture, and behavioral verification, while improving frontend quality through Jasmine and Karma testing and debugging with Chrome DevTools; enforced 70% code coverage using JaCoCo in CI/CD.
- Architected a full-stack application using Controller-Service-DAO and MVC layered architecture on the Spring Boot backend and Angular's component-based architecture with service layer pattern on the frontend, implementing injectable services for API communication, role-based authentication, and shared business logic across 20+ components.
- Enhanced server-side pagination with offset-aware page navigation and custom Angular Material paginator behavior to preserve scroll position and synchronize frontend/backend pagination; Integrated multiple external and enterprise services using REST and SOAP (JAX-WS) services, and developed audit/history tracking using reflection-based entity comparison and bulk Excel processing with Apache POI, including validation, deduplication, and batch database inserts.
- Improved backend performance and reliability by implementing asynchronous processing with Spring `@Async` for non-blocking SQS publishing, distributed tracing and observability using Micrometer and OpenTelemetry, and `ConcurrentHashMap`-based concurrency controls to prevent duplicate submissions in critical business workflows.