

Supun Sandeepa

Senior Software Engineer

Java | Spring Boot | Angular | Microservices | AWS
Colombo, Sri Lanka | Open to Relocation

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SUMMARY

Full-Stack Software Engineer with 5+ years of experience designing, developing, and optimizing scalable enterprise applications using Java, Spring Boot, Angular, TypeScript, Microservices, and REST APIs. Experienced in delivering insurance and student information systems, improving backend performance, building secure authentication flows, and optimizing database-driven applications. Skilled in Agile development, unit testing, CI/CD, cloud-based architecture, and software architecture.

CORE SKILLS

Programming Languages: Java, JavaScript, Python, Dart, SQL

Frameworks & Technologies: Spring Boot, Hibernate, Angular, TypeScript, Flutter, Express.js

DevOps & Tools: Git, GitHub, Bitbucket, Docker, Jaspersoft, JUnit, Maven, Gradle, Jira

Databases & Cloud: MySQL, PostgreSQL, Microsoft SQL, MongoDB, AWS

Microservices & APIs: Microservices Architecture, RESTful Services, API Design

Security & Identity Management: Keycloak, OAuth2, OpenID Connect, JWT

Software Development: Full-Stack Development, Agile, Scrum, Software Development Lifecycle (SDLC), CI/CD

AI-Assisted Development: Cursor, Claude, GitHub Copilot, Prompt Engineering

WORK EXPERIENCE

Senior Software Engineer | OSOS Technology | Oman & Sri Lanka | Nov 2025 – Present

- Built front-end features with Angular and back-end services with Spring Boot as a full-stack developer on a Student Information System, supporting academic management workflows.
- Implemented REST APIs and Angular UI components for academic features including resit/retake registration and invoice generation, using Spring Boot and Gradle.
- Collaborated with cross-functional, distributed teams across Oman and Sri Lanka using Agile methodologies and Jira to deliver features on schedule.
- Replaced static, manually-built dashboards with a dynamic, self-service analytics platform using Vizzly, delivering 10+ custom dashboard views and enabling users to build their own through the UI.
- Adopted a query engine architecture for the dashboard's data layer, minimizing custom coding effort required to onboard new datasets.
- Accelerated feature development and prototyping by integrating Cursor and Claude into the daily workflow, using prompt engineering to scaffold code faster and shorten implementation cycles.

Senior Software Engineer | Allianz Insurance Lanka Ltd | Jun 2023 – Nov 2025

- Led the development of scalable microservices with Java, Spring Boot, and RESTful APIs, resulting in a 30% improvement in third-party integration efficiency.
- Led the upgrade of the application framework to Spring Boot 3, boosting performance, scalability, and maintainability.
- Increased application efficiency with a significant 30% decrease in backend response time, achieved via strategic JVM tuning and enhanced database indexing processes tailored to high-traffic scenarios.
- Improved server response times by 80% by implementing efficient backend pagination strategies.
- Enhanced backend development efficiency by 40%, reducing technical debt through shared utilities and best practices.
- Converted complex business requirements into scalable, high-performance technical solutions, increasing system efficiency by 15%.

Software Engineer | DMS Software Technologies (Pvt) Ltd | May 2022 – May 2023

- Engineered a user-permission-based API integration with Keycloak, streamlining authentication and reducing user management time by 50%.
- Designed and refined high-performance database queries for high-volume applications using PostgreSQL and MySQL, improving query execution speed by 20%.
- Wrote unit and integration tests using JUnit, improving code reliability and reducing bugs by 15%.
- Led the transition of a monolithic application to a microservices-based architecture, improving scalability by 40% and reducing maintenance time by 30%.

Associate Software Engineer | Basilur Holdings (Pvt) Ltd | Sep 2020 – Nov 2021

- Developed web applications using Java and Spring MVC, improving application performance by 20%.
- Managed version control with Git, collaborating within an Agile team to deliver high-quality software, contributing to a 15% improvement in development efficiency.
- Created and maintained comprehensive technical documentation, streamlining communication and reducing project onboarding time by 20%.

EDUCATION

Wrexham Glyndwr University | 2019 – 2020

BSc (Hons) Computing - 1st Class | Wales, UK

Java Institute for Advanced Technology | 2015 – 2018

Diploma in Software Engineering | Colombo, SL

CERTIFICATIONS

- AWS Certified Developer – Associate | Expires in August 2028
- GitHub Foundations Certification | Expires in February 2028