

Karesse DSouza

Bengaluru | karessekend1821@gmail.com | +91 9561114302 | Portfolio | LinkedIn | GitHub

Education

Keystone School Of Engineering, Pune, BE Computer Engineering

Aug 2019 - May 2023

- GPA: 8.59

Experience

Software Engineer Trainee | Cisco Systems Ind Pvt Ltd

Aug 2024 - Aug 2025

- Developed and deployed RESTful microservices using Java and Spring Boot, improving database performance by 60% & improving scalability for 2 enterprise applications.
- Wrote 79 unit test cases with 100% test coverage for critical modules using JUnit framework and TDD practices, significantly reducing regression bugs.
- Designed and deployed a Java-based scheduler to automatically release active holds from MongoDB in the production environment, reducing manual overhead by 90% and improving release accuracy.
- Optimized Oracle and MongoDB queries, boosting data retrieval performance by 30% and reducing backend latency in staging by 40%.
- Contributed reusable backend components (logging, error handling) across services, reducing code duplication by 50%.
- Applied CI/CD pipelines using Maven and Jenkins to automate deployments, reducing time-to-release by 75%.
- Resolved 118 CVEs (security vulnerabilities) of MongoDB production application by performing AI scans.

Technical Skills

Languages: Java, JavaScript, Oracle SQL, HTML, CSS, JSON, XML

Frameworks: Spring Boot, J2EE, Hibernate, Angular, Spring JPA, JUnit

Databases: MongoDB, Oracle 19c, MySQL

Testing: Unit Testing, TDD, API Automation Testing

Tools: Git, Jenkins, CI/CD Pipelines, Maven, Postman, Swagger, GitHub Copilot, Oracle SQL Developer **Development:** Spring Boot Microservices, REST API Design, Web Design, SDLC Lifecycle

Projects

1. Cab Booking System – Travel App

github.com

- Developed modular services for cab booking using microservice principles and REST standards.

2. Movimate (Movie API - Spring Boot + MongoDB + MySQL + React)

github.com

- Designed end-to-end APIs with pagination, filtering, and performance validation.
- Implemented RESTful APIs for movie data retrieval, search, and management.

3. URL Shortener Application (Java + Spring Boot + MySQL + REST API + JPA + JWT)

github.com

- Developed a secure URL shortening service with user authentication and tracking of link click events.
- Implemented RESTful endpoints for creating, redirecting, and managing shortened URLs using Spring Boot and JPA.
- Integrated JWT-based authentication and role-based access control for user management and data protection.

Extra Curricular

Deloitte Technology Job Simulation on Forage

July 2025

- Completed a job simulation involving development and coding.
- Wrote a proposal for creating a dashboard.

Certifications

- Java Full Stack Development | MongoDB Java Developer
- Cisco Qualified GenAI | Oracle APEX Certified Cloud Developer Professional 1Z0-771