

Karesse DSouza

India | karessekend1821@gmail.com | +91 9561114302 | Portfolio | linkedin/karesse-dsouza | github.com/karessekend18

Professional Summary

Full Stack Java Developer with hands-on experience in **Java 17**, **Spring Boot**, **REST APIs**, **Angular**, and **SQL databases**, delivering scalable, secure, and high-performing enterprise applications. Skilled in **software craftsmanship principles**, **Agile methodologies**, and **DevOps practices** with a strong focus on clean, reusable code and test-driven development. Passionate about designing resilient systems, improving production processes, and contributing to continuous delivery pipelines in fast-paced environments.

Education

Savitribai Phule Pune University

Aug 2019 - May 2023

- Bachelors of Engineering, Computer Engineering
- CGPA: 8.59

Work Experience

Software Engineer Trainee | Cisco Systems Ind Pvt Ltd

Aug 2024 - Aug 2025

- Designed and developed **Spring Boot microservices** in **Java 17**, improving API performance by **30%** and reducing latency by **22%**.
- Built and integrated **RESTful APIs** for data processing and front-end communication, enabling seamless interoperability across distributed systems.
- Contributed to **Angular-based front-end dashboards** for monitoring and analytics, ensuring responsiveness and accessibility.
- Applied **SOLID principles and design patterns**, reducing code complexity and improving reusability by **25%**.
- Implemented **Spring Security and OAuth2 authentication**, strengthening API security and access control compliance.
- Automated builds and CI/CD pipelines using **Jenkins, Maven, and Docker**, decreasing manual deployment time by **25%**.
- Wrote and maintained **unit/integration tests** (JUnit5, Mockito), achieving **85%+ test coverage** and reducing production bugs by **30%**.
- Participated in **Agile ceremonies**, sprint planning, and cross-functional collaboration to ensure timely, high-quality releases.

Technical Projects

1. Movimate (Movie API) - Spring Boot, MongoDB, JavaScript, ReactJS

- Built APIs with **Spring Data JPA and MongoDB**, supporting dynamic data filtering and pagination.
- Developed responsive UI using **React and Bootstrap**, improving UX and data rendering efficiency.

2. E-Commerce Full Stack Application - Java, Spring Boot, Hibernate, JPA

- Developed full-stack application with **RESTful APIs** and **React** frontend for real-time product management.
- Integrated caching and optimized SQL queries, improving response times by **40%**.

Technical Skills

Programming Language: Java 11/17

Backend Frameworks/Libraries: Spring : Boot, Data JPA, Security, Hibernate/JPA, Rest API, Maven, OAuth2

Frontend Frameworks/Libraries: Angular 14+, React, Bootstrap, HTML, CSS, JavaScript

Databases: SQL, PL SQL (Oracle, Postgres SQL)

Testing: JUnit, Mockito

DevOps: Git, Jenkins

Other: Object Oriented Programming, Design Patterns, SOLID Principles, Clean Architecture, Agile/Scrum

Soft Skills: Excellent communication, proactive mindset, and cross-team collaboration

Certifications

- Java Full Stack Development (Simplilearn - Cisco)
- Cisco Qualified GenAI (Cisco)