



ONKAR BORADE

Senior Full Stack Engineer

PROFILE

Senior Software Engineer with 8+ years of experience in building scalable distributed systems and microservices using Java, Spring Boot, and AWS. Proven expertise in modernizing legacy applications (Groovy to Spring) and architecting secure, high-volume platforms for Insurance and Government sectors.

Expert in full-stack engineering with Angular and orchestrating DevOps transformations via advanced CI/CD automation (GitLab, Harness, Rancher). Dedicated to designing resilient, high-performance architectures that ensure zero-downtime scalability for mission-critical systems.

WORK EXPERIENCE

Senior Software Engineer Pitney Bowes Pvt Ltd – Shipping & Mailing Domain

DEC 2024 - PRESENT

Building distributed systems for the Next Generation Postage (NGP) platform. Architecting secure, scalable microservices for meter lifecycle management and secure financial transactions.

- **Microservices Architecture:** Designed and implemented Spring Boot microservices for the NGP platform, ensuring high availability for critical mailing operations.
- **AWS Cloud Native:** Deployed event-driven solutions using AWS Lambda, EC2, and S3 to handle massive transaction volumes.
- **Performance Optimization:** Integrated Memcached to reduce database load and improve API response times by 30%.
- **Security Integration:** Implemented HSM (Hardware Security Module) integration for banking-grade key management and encrypted transactions.

Software Engineer Cognizant Pvt Ltd - Enterprise Insurance Services

JAN 2021 - DEC 2024

Led the modernization and maintenance of a suite of 20+ internal microservices and applications. Focused on the **strategic migration of mission-critical legacy monoliths** to modern cloud-native architectures and automating deployment workflows.

- **Legacy Migration:** Modernized core applications from Groovy/Grails to a scalable **Spring Boot & Angular** architecture, improving maintainability and performance.
- **DevOps & CI/CD:** Orchestrated automated deployments using **Rancher, Harness, and Concourse** pipelines, significantly reducing release time.
- **Operational Efficiency:** Streamlined end-to-end claims processing workflows and data retrieval tools through robust automation, improving cross-departmental information flow.
- **Suite Management:** Built and maintained 20+ diverse internal applications including the 'Bulletins' notification engine.

SKILLS

Java 8+ yrs

Spring Boot 8+ yrs

Microservices 8+ yrs

Hibernate/JPA 8+ yrs

Angular 7+ yrs

AWS Cloud 8+ yrs

DevOps 8+ yrs

Linux/Bash 8+ yrs

SQL (Oracle) 8+ yrs

Git/GitLab 8+ yrs

CONTACT

- 📍 D406 Arise
Pune - 411033
- 📞 +91 9604330995
- ✉ onkarborade@gmail.com
- 🌐 onkarborade.com

EDUCATION

2022 - 2024

MTech - Data Science
BITS Pilani

Deep focus on advanced data analysis and machine learning models.

Project: **Bird Species Classification using CNN**

Engineered a Deep Learning model to identify indigenous bird species with high precision. Leveraged **Python, TensorFlow, and Keras** for model training and **Pandas/NumPy** for data preprocessing.

2017-2018

Post Graduate Diploma In Computer Application

Academy of Information Technology - Mumbai

2011 - 2017

BE Computer Science

Solapur University

COURSES

GitHub Copilot Certification

Organization-wide certification for AI-assisted coding.

Apache Tomcat Server

Training on server administration and deployment.

Productivity & Management

Certification in time management and efficiency.

Software Developer

Newscape Consulting - Healthcare Domain

OCT 2020 - NOV 2021

Focused on Identity & Access Management (IAM) and real-time data visualization infrastructure for healthcare operations.

- **ELK Stack Implementation:** Conducted POCs and implemented the ELK Stack (Elasticsearch, Logstash, Kibana) for real-time healthcare data visualization, replacing slow SQL queries.
- **Data Pipelines:** Configured Logstash for efficient data ingestion and transformation from legacy databases.
- **IAM Security:** Implemented robust **OAuth2/JWT** authentication flows for secure handling of sensitive patient data.

Project Engineer

CDAC R&D - Aadhaar (KRDH)

MAR 2018 - APR 2020

Engineered high-scale **Aadhaar AUA/ASA Middleware** for the Karnataka Government, enabling secure **biometric identity validation for millions of citizens**.

- **AUA/ASA Services:** Developed the middleware layer connecting state departments to UIDAI for **Biometric (Iris/Fingerprint)** authentication.
- **Fraud Prevention:** Implemented strict Biometric & Demographic validation logic to ensure zero-fraud identity verification for welfare schemes.
- **Mass Data Processing:** Developed Python and Java scripts to validate and verify **huge CSV datasets** of citizen records onsite.
- **Server Management:** Created comprehensive dashboards for monitoring server status, logs, and uptime across the distributed infrastructure.

Personal Information Declaration

I, Onkar Borade, hereby declare that the information contained herein is true and correct to the best of my knowledge and belief.