

Pruthviraj Rajput

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Summary — Software Engineer with 3+ years of experience in the banking domain, skilled in developing high-performance microservices using Spring Boot and Quarkus. Experienced in middleware development for secure communication between mobile banking apps and backend systems. Proficient in Java, REST APIs, IBM MQ/ActiveMQ, and CI/CD pipelines. Also well-versed in frontend development using React.js and Vue.js for building responsive user interfaces.

Skills

Languages Java, JavaScript, SQL, HTML, CSS
Backend Spring Boot, Quarkus, Apache Spark, REST, AMQP, TCP/IP, OpenAPI (Swagger), Vert.x, Test-Driven Development (TDD), Functional and Reactive programming, Mutiny, Microservices & Monolithic Architecture
Frontend React.js, Vue.js, Bootstrap
Databases Oracle, SQL, MySQL, MongoDB

Messaging IBM MQ, ActiveMQ, JMS, Apache Kafka, API Connect
DevOps Docker, Jenkins, OpenShift, Git, Maven
Tools IntelliJ IDEA, Postman, SOAP UI, Bitbucket, Jira, Load Testing Tools - JMeter, Mocking Framework - Mockito
Practices Agile Methodologies, CI/CD Pipelines, Secure Middleware Design

Experience

Siddhatech Software Services Pvt. Ltd., Pune

Software Engineer

April 2023 – Present

- Developed and maintained secure Java **microservices** using **Java**, **Spring Boot** and **Quarkus** for banking systems.
- Built a **notification engine** capable of processing **10,000+ SMS, email, and push notifications per hour**, using **reactive programming**, non-blocking I/O, and functional programming for improved reliability and retry mechanisms.
- Integrated **IBM MQ**, **AMQP** and **TCP/IP** protocols to enable secure, real-time communication between internal banking services.
- Designed and implemented **middleware** for secure interactions between mobile apps and backend systems.
- Followed **Test-Driven Development (TDD)** practices using **JUnit** and **Mockito**, achieving high code coverage and reducing production issues.
- Provided **production support**, including incident handling, monitoring, and coordination with infrastructure teams.
- Collaborated in **Agile Scrum teams**, contributing to sprint planning, daily stand-ups, peer reviews, and product demos.

Software Developer

July 2022 – March 2023

- Built **responsive frontend modules** using **React.js** and **Vue.js**, connected to secure **REST APIs** for internal banking applications..
- Developed backend features using **Spring Boot**, interfaced with **MySQL** and **Oracle** databases
- Wrote and maintained unit and integration tests following **TDD principles**, improving code reliability and enabling faster refactoring.
- Supported handled bug fixes, and implemented change requests in a dynamic **Agile development environment**.

Education

Kavayitri Bahinabai Chaudhari North Maharashtra University

2018 – 2022

Shramsadhana Bombay Trust, College of Engineering & Technology, Jalgaon

Bachelor of Engineering in Computer Science

CGPA: 9.02

Projects

API Gateway Design for Secure Microservices Integration

- Designed and implemented a centralized API Gateway POC using IBM API Connect to manage secure routing, traffic control, and service authentication across multiple banking microservices. Enabled rate limiting, versioning, OAuth2 support, and secure TLS communication.
- **Tech Stack:** Java, Quarkus, OAuth2.
- 🐙 github.com/pruthvi7384/api-gateway-quarkus

Secure Messaging POCs – AMQP & TCP/IP Communication

- Designed two backend communication POCs for banking systems:
- **AMQP:** Non-blocking microservice messaging with retry support.
- **TCP/IP:** Real-time encrypted socket communication with custom protocol.
- **Tech Stack:** Java, IBM MQ, AMQP, TCP/IP, Quarkus
- 🐙 github.com/pruthvi7384/quarkus-tcp-ip-poc