VRUSHANK PATEL
Senior Software Developer
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Experience (6+ Years)

NASDAQ Nov 2022 - Present
Senior Software Developer Bangalore, IN

▸ Eqlipse Trading: Developed and optimized solutions for Multi Matching Engine, a high-speed order matching and execution system, using Java and Spring Framework. Delivered 15+ customizations for 3+ customers (Forex, Equities, and Crypto) across LATAM, US, and EU, including onsite acceptance testing in Colombia for an equity trading platform handling $500M+ daily volume.

▸ Cloud-Native Deployment: Containerized and orchestrated deployments on Amazon EKS, improving system uptime and reducing infrastructure costs through better resource utilization.

▸ Infrastructure-as-Code: Built and Customized a framework acting as a Kubernetes operator to streamline Amazon EKS and EKS-A deployments, designing partitioned Helm layouts resulting in a significant reduction in deployment setup time for a LATAM customer.

▸ CI/CD Automation: Contributed to CI/CD migration from TeamCity to GitLab by writing pipelines to build and test code, publish artifacts, vulnerability scans (Prisma, SonarQube, Sonatype) and code signing.

▸ Security & Testing:
  ▸ Patched 50+ vulnerabilities in dependencies, reducing Sonatype threat score from 9→1.5, enhancing supply chain security.
  ▸ Identified and resolved compatibility issues in unit testing frameworks that revamped 2500+ JUnit/ Mockito test cases, achieving 90%+ code coverage.

▸ AI-Driven Development & Workflow Automation: Leveraged GitHub Copilot for generating boilerplate (DTOs, repetitive logic) and drafting technical documentation (Javadocs, Confluence). Led a Diffblue proof of concept to auto-generate unit tests, improving code coverage and reliability.

Capsystematic Technologies Pvt Ltd. Dec 2019 – Nov 2022
Software Developer Bangalore, IN

▸ Capital Markets & Payments Development: Modernized software systems for banks and financial institutions using Java, Spring Boot, Docker, Apache Camel, Informix, Orika, and MapStruct to deliver secure, scalable, and high-performance applications.

▸ Zeus-GPI (General process interface): Designed and implemented Apache Camel RouteBuilders to process and route SWIFT MT/MX and ISO 20022 messages across various endpoints (DB, filesystem, HTTP, SOAP, MQ). Enabled seamless integration between front-office and core banking systems, significantly reducing message delivery latency.

▸ CMS (Card Management System): Migrated legacy Pro*C (1993) codebase to a modular Java-based architecture using Spring Boot, JPA, and Spring Security. Delivered RESTful APIs for transaction reconciliation, settlement, dispute management, and corporate card features, enhancing maintainability and scalability for issuer/acquirer systems.

▸ CapSuite: Built an internal automation tool using python and FastAPI to generate Java entities and mappings from SQL procedures and SWIFT message definitions (MT/MX). Improved developer productivity and reduced manual efforts and errors while mapping the fields during developments.

Capsystematic Technologies Pvt Ltd. Sept 2019 – Dec 2019
Software Developer Intern Bangalore, IN

▸ Capital Markets & Payments Development: Modernized software systems for banks and financial institutions using Java, Spring Boot, Docker, Apache Camel, Informix, Orika, and MapStruct to deliver secure, scalable, and high-performance applications.

Skills

Programming Languages: Java, Python
Frameworks & Libraries: Spring Boot, FastAPI, JUnit, Mockito, Jackson JSON, JAXB XML
DB & Streaming: PostgreSQL, Apache Kafka
Cloud & DevOps: AWS (EC2, S3, RDS, Lambda, IAM, EKS, ECR), Docker, GitLab CI/CD
AI Powered Tools: GitHub Copilot, Diffblue Cover
Operating Systems: Linux Ubuntu, Amazon Linux), macOS

Education

Apollo Institute of Engineering Gujarat technological university) Jul 2015 May 2019
B.E. – Information Technology CGPA 8.24 Ahmedabad - IN

Projects

APEX BlueLink Marketron Maxine Complexica iBoard Weathermon More