VRUSHANK PATEL

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SUMMARY

Experienced software developer specializing in fintech, with 5+ years of experience building and optimizing high-performance trading systems and modernizing legacy systems. Skilled in enhancing system reliability, security, and scalability to deliver tailored solutions for trading platforms, capital markets, and payment systems. Proficient in Java, Python, and cloud-native technologies. Certified Scrum Product Owner (CSPO).

EXPERIENCE (4+ years)

NASDAQ   **Nov 2022 — PRESENT**
Senior Software Developer   **Bangalore - IN**

- **Multi Matching Engine (MME) -** Contributed to the development, maintenance, and enhancement of a trading solution enabling automatic trade execution by matching orders across diverse financial instruments, including forex, equity, and derivatives.
  - Leveraged the Java-Spring ecosystem, Docker, and Kubernetes to ensure seamless trade matching across multiple assets with a focus on performance and reliability.
  - Extended core product functionalities to deliver customer-specific solutions, addressing unique requirements and enhancing product adaptability.
  - Conducted requirements analysis, coding, and unit testing with consistent 90%+ code coverage. Designed checkstyles and established coding conventions to ensure high-quality code standards.
  - Improved the Sonatype threat score for dependencies from 9 to 1.5 through vulnerability remediation and version compatibility analysis, enhancing supply chain security.
  - Resolved compatibility issues in unit testing frameworks, ensuring functionality of over 2,500 test cases and significantly increasing overall code coverage.
  - Streamlined workflows by administering tools like TaskTop integration, repository access management, and CI/CD pipeline automation for seamless builds and deployments.

Capsystematic Technologies Pvt Ltd.   **Dec 2019 — Nov 2022**
Software Developer   **Bangalore - IN**

- Developed components for capital markets software products. I was responsible for analyzing, programming, unit testing, and documenting the features. Mostly worked on Java, Spring Boot, Python Flask, Informix, Docker, Apache Camel, Apache CXF, Orika, and Mapstruct.
- **Zeus-GPI** (General process interface) - Developed critical SOAP and REST services to facilitate message delivery (e.g., Swift MT/MX) between diverse endpoints like databases, message queues, HTTP, SOAP, and SMB filesystems. Delivered an enterprise service bus (ESB)-based solution to ensure seamless integration and messaging across systems.
- **CMS** (Card Management System) - Migrated legacy Pro*C code (circa 1993) to a modern Java-based architecture using Spring Boot and Spring Cloud. Developed REST services for corporate cards and payments, enabling back-office functionality for acquirers and issuers, serving banks and payment service providers.
- **Capsuite** - Designed and implemented an automation tool that generates code for entities and mappings based on SQL procedures and Swift MT/MX message definitions, significantly improving developer efficiency.

Capsystematic Technologies Pvt Ltd.   **Sept 2019 — Dec 2019**
SDE Intern   **Bangalore - IN**

- Received training on General Process Interface (GPI) and investment banking fundamentals, gaining exposure to the financial services industry.
- Developed Apache Camel-based route builders for GPI, facilitating seamless message routing between multiple endpoints.
- [Employee attendance management system](#): Designed Employee attendance management system, using Java, JDBC, and MySQL.

SKILLS

Programming language - Java, Python
Libraries/Frameworks - Spring Boot, Spring Cloud, Flask, Glasnost Orika, Mapstruct
Data store — MySQL, Informix, Etcd
CI/CD — Gitlab Pipelines, Teamcity, CircleCI
Other Tools — Apache Kafka, Docker, Podman
Other - Reactive Microservices, Github Copilot, Diffblue

EDUCATION

Apollo institute of Engineering (Gujarat technological university)   **Jul 2015- May 2019**
B.E. — Information Technology (CGPA — 8.24)   **Ahmedabad - IN**

PROJECTS

[MAXINE](#), [COMPLEXICA](#), [QUORTEX](#), [More](#).