

# VRUSHANK PATEL

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## EXPERIENCE (4+ years)

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### NASDAQ

Nov 2022 – PRESENT

Senior Software Developer

Bangalore - IN

- **Multi Matching Engine (MME)** - MME is a trading solution enabling automatic trade matching across diverse financial instruments such as forex, equity, and derivatives empowering exchanges, banks, and brokers. My role encompasses:
  - Actively involved in developing, maintaining, and enhancing product features and components to facilitate automatic trade matching across multiple assets/instruments.
  - Extend core product functionalities to deliver tailored solutions for customers, emphasising adaptation to meet customer-specific requirements.
  - Conduct comprehensive requirements analysis, coding, and unit testing (Maintaining consistent code coverage of at least 90%), leveraging innovative solutions to optimise trade matching processes.
  - Facilitate code reviews and provide constructive feedback to enhance development quality, including designing checkstyles and establishing coding conventions to uphold rigorous code quality standards.
  - Successfully improved Sonatype threat score for dependencies from 9 to 1.5, significantly enhancing software supply chain security.
  - Rectified version compatibility issues of unit testing frameworks to ensure the functionality of over 2500 unit test cases, resulting in a notable increase in code coverage.
  - Administer critical tools such as TaskTop integration, repository access management, and CI pipeline automation for seamless builds, publishing, 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 analysing, 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 and delivered ESB-based solutions for delivering messages (like Swift MT and MX) from and to multiple different endpoints (like DB, MQ, SOAP, HTTP, Filesystem).
- **CMS** (Card Management System) - Migrated the project from old (ProC code written in the year 1993) code to new Java-based code with the new and rich features of Spring boot and Spring cloud. Developed REST services for corporate cards and Payments for back office that serves both Acquires and Issuers and is typically used by banks and payment service providers.
- **Tool-suite** - Designed and developed an automation tool that generates the code (Entities and Mappings) from SQL procedures and Swift MT and MX messages.

### Capsystematic Technologies Pvt Ltd.

Sept 2019 – Dec 2019

SDE Intern

Bangalore - IN

- Worked with the Software engineering team for three months on fintech software development for financial and banking solutions with Java-based technologies.
- Employee attendance management system: Designed Employee attendance management system, using Java, JDBC, and MySQL.

## SKILLS

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Programming language - Java, Python

Libraries/Frameworks - Spring Boot, Flask, FastAPI, Glasnost Orika, Mapstruct

Databases – MySQL, Informix

VCS – Git, Mercurial, Kallithea SCM

Other - Reactive Microservices, Apache Kafka, Docker, GitHub-Actions, Gitlab Pipelines, Teamcity

Proficient in harnessing the capabilities of generative AI tools such as ChatGPT, GitHub Copilot, and Diffblue to enhance productivity and streamline software development processes.

## EDUCATION

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**Apollo institute of Engineering (Gujarat technological university)**

Jul 2015- May 2019

B.E. – Information Technology (CGPA – 8.24)

Ahmedabad IN

## MAJOR PERSONAL PROJECTS

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