VRUSHANK PATEL

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EXPERIENCE (4+ years)

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

- As a Senior Software Developer at NASDAQ, I'm working on the Multi Matching Engine (MME) that facilitates automatic trade matching for various financial instruments including forex, equity, and derivatives, empowering exchanges, banks, and brokers. My key responsibilities include:
  - Developing, maintaining, and enhancing the features and components for Multi Matching Engine (MME) to support automatic trade matching for multiple assets/instruments.
  - Collaborating with engineers to design, implement, and test new features for MME.
  - Conducting requirements analysis, coding, unit testing, and exploring new technologies to improve the trade matching process.
  - Leading code reviews and providing feedback to enhance development quality.
  - Additionally, administer critical tools including TaskTop integration, repository management, and CI pipeline automation for AWS EKS deployment.

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 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

Programming language - Java, Python
Libraries/Frameworks - Spring Boot, Flask, Glasnost Orika, Mapstruct
Databases – MySQL, Informix
VCS – Git, Mercurial, Kallithea SCM
Other - Reactive Microservices, Pub-Sub, 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

Apollo institute of Engineering (Gujarat technological university)   **Ahmedabad IN**
B.E. – Information Technology (CGPA – 8.24)   Jul 2015- May 2019
Main coursework: Data Structures, Design, and Analysis of Algorithms, Systems Design, RDBMS, Operating Systems, Software Engineering, Artificial Intelligence, Internet of Things.

MAJOR PERSONAL PROJECTS

MAXINE, COMPLEXICA, QUORTEX, More.