

# Amruta Parab

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## EDUCATION

### Bachelor of Engineering, Computer Science

2016 - 2020

Vivekanand Education Society's Institute of Technology

Mumbai

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## SKILLS

- Java | Spring | SQL | Kubernetes | React | Kafka | Python | Bash
- Maven | REST | Messaging Queues | Microservice Architecture | SOLID principles | Design patterns
- Splunk | Jenkins | Jira | Git | Confluence

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## EXPERIENCE

### JP Morgan Chase & Co.

#### Software Engineer

2020 - Present

- Managed the end-to-end process, from requirement gathering with stakeholders to the continuous development and delivery of new features and APIs for a trade enrichment system processing around 1.5M events daily. Led the migration of this system from a remote server to a cloud-based **Kubernetes** platform, including the migration of production data consisting of 250M records. Technologies used include **Java, Spring Boot, Messaging Queues, SQL**.
- Developed multiple **React**-based user interfaces integrated with a Java and Spring Boot backend, leveraging SQL databases. These interfaces significantly streamlined operations by enabling users to automate tasks, reducing manual effort.
- Implemented a migration strategy to transition a legacy system from utilizing **REST API** for asynchronous communication to **Kafka**. This migration optimized the process of interacting with an external system for risk checks on transactions, significantly reducing timeout issues during callbacks and improving overall production stability.
- Contributed to the development of a comprehensive **microservice** architecture-based platform, an end-to-end solution aimed at facilitating the adoption of new ISO20022 SWIFT payment standards. Primarily focused on Java and Spring.
- Collaborated with team members to ensure timely delivery of requirements and prompt resolution of issues.

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## ACHIEVEMENTS

- Certified Kubernetes Application Developer ([CKAD](#))
- Authored a research [paper](#) titled "Performance Evaluation of Different Machine Learning Based Algorithms for Flood Prediction and Model for Real-Time Flood Prediction". It was published by IEEE in Sep. 2019.
- Runner Up in Code For Good Hackathon 2019
- 2nd Runner Up in AWS Deepracer JPMC Global Championship 2021

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## EXTRACURRICULAR ACTIVITIES & HOBBIES

- Deputy Cultural Secretary: Led the planning and execution of college fests and events, contributing to a vibrant campus culture.
- Hobbies: Chess, Dance, Painting