

MANIYA KOHLI

Software Development Engineer (SDE)

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★ <https://github.com/Maniya-Kohli>

EDUCATION

Masters , Computer Science

San Francisco State University

📅 2025 - Present

Bachelors , Mechanical and Automation

Indira Gandhi Delhi Technical University

📅 2018 - 2022

SKILLS

Programming Languages

Python, NodeJS, Java, C, C++, TypeScript

Database

MongoDB, PostgreSQL, ElasticSearch, MySQL

Web Technologies

AWS, SpringBoot

DevOps

Docker, Grafana

PROJECTS

TreeFlow Integration Framework

- The TreeFlow Integration Framework revolutionized FETCH's backend by implementing a **General Tree system** with **cross-referencing**. This allowed configurations for integrations like POS systems, printers, loyalty programs, and payment gateways, set at the top level, to automatically propagate to all lower levels without redundant copies. By leveraging cross-referencing, the system eliminated manual reconfiguration, reduced errors, ensured consistency, and significantly improved scalability and operational efficiency.

LoyaltyPay Integration System

- The LoyaltyPay Integration System seamlessly integrated FETCH's loyalty program with the billing system, enabling users to redeem points for bill splitting, tips, and partial bill payments. A robust rollback mechanism ensured transactional consistency, reverting loyalty points and payments if Stripe transactions failed or points were not deducted. This enhanced user experience and ensured system reliability.

TeamSync Archival Engine

- The TeamSync Archival Engine was designed and implemented to enable seamless export of users' Microsoft Teams data to their respective OneDrive accounts. This solution, developed for XIFT, a client data archival organization, enhanced data accessibility and convenience by automating the archival process, ensuring secure and efficient data transfer while maintaining compliance with organizational requirements.

EXPERIENCE

Software Developer

CoreValue Technology

📅 01/2023 - 01/2025 📍 Noida, India

- Engineered the implementation of a scalable general tree structure integrated with cross-referencing mechanisms to streamline data management , reducing retrieval times by 30% and improving system consistency by 40%.
- Designed and implemented a loyalty system for Fetch using the adapter pattern, enabling seamless integration of QR code-based bill splitting, tip payments, and loyalty point redemption. Enhanced system scalability and customer experience, contributing to the successful closure of a strategic partnership deal with a major hospitality brand - Accor
- Led the migration of 17-18 million user records from Elasticsearch to OpenSearch and MongoDB to PostgreSQL, ensuring seamless data transfer and accurate role mapping. Optimized migration services to achieve 99.9% data integrity and reduced downtime by 30%, enabling a smooth transition with minimal impact on end-users.
- Technologies used: **Spring Boot, Java, Python, PostgreSQL, AWS, KeyCloak, Git, NodeJS , TypeScript**

Software Developer Intern

CoreValue Technology

📅 10/2022 - 01/2023 📍 Noida, India

- Developed back-end applications using **Spring Boot**, integrating **PostgreSQL** and **KeyCloak** for security and created RESTful APIs for targeted notifications to doctors.
- Gained expertise in **AWS** (SQS, SES), microservices, and advanced programming concepts like multithreading, Dependency Injection, and Asynchronous Programming.
- Implemented DevOps practices using **Docker** and gained hands-on experience in database integration and application security.

CERTIFICATION

Machine Learning Specialization

DeepLearning.AI, Stanford University

Crash Course on Python

Google

Mathematics for Machine Learning and Data Science Specialization

DeepLearning.AI

Data Structures and Algorithms Specialization

UC San Diego