

# DAKSHA TALEKAR

## SOFTWARE ENGINEER



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<https://github.com/coding-ship-it>



[Portfolio](#)

## WORK EXPERIENCE

### Expedia Group

Software Development Engineer- I

Sep 2023 - Present

#### Team: Data Store SDK

- **Data Platform:** Currently working on self served data platform, that could help teams move and explore their data in an elegant way by allowing dataset owners to onboard datasets, which can then be accessed via unified APIs by consumers for personalisation.
- **Merlon - Relation Based Fine Grained Authorization System(inspired by Google Zanzibar):** Designed and implemented a Zanzibar inspired relation based authorization model for scalable ACL(Access Management List) management. Built fine-grained control at both dataset and attribute levels, ensuring sensitive fields(e.g, email, username) are protected even within non-sensitive datasets. Introduced producer-driven onboarding workflows where data owners define authorized clients, mark sensitive attributes, and dynamically update access policies. Enforced token subject-based authorization (beyond raw client IDs), ensuring strict identity correctness and preventing privilege leaks across versions.
- **DataSync – Real-Time Data Synchronisation Pipeline:** Built a CDC-based ingestion pipeline using Kafka, Flink, and Apache Iceberg to synchronize datasets across multiple datastores. Implemented snapshotting, rollback, and time-travel queries in Iceberg, with separate retention policies for PII vs non-PII data to enforce compliance. Automated daily DAG Airflows for recording snapshot versions, tagging, and long-term analytical data retention.
- **Flink Applications & CI/CD Automation:** Developed Flink applications using Dataproc Flink Starter template, eliminating duplicate code by reusing artifacts from the main Flink-demo app. Automated deployment pipelines with Spinnaker, GitHub Actions, and Docker, integrated vault secrets and S3 storage.
- **Iceberg Table Management:** Created Hive & Iceberg tables via Schema Deploy, defining schemas in Git-managed HQL files and promoting them through deployment pipelines.
- **Code Coverage:** Wrote rigorous unit test and integration tests for services within platform, increasing the method coverage by over 40 percent.
- Backend lead for UI support; enhanced **Java (Spring Boot) APIs** to simplify frontend workflows. Served as liaison between backend and external frontend teams.
- **Microservices:** Implemented several backend endpoints in Spring Boot. Worked on the re-platform and code base migration to optimize costs and serviceability.
- Frameworks/ Tools: **Java, Core Java, Spring Framework, Spring Boot**

### VOIS

INTERN

Jun 2022 – Sep 2022

Blood Bank Data Management Website – Developed a website to collect and manage blood bank data, exposing it to consumers via a user-friendly interface for quick access and transparency.

## Skills

**Programming & Web Development:** C, Java, JavaScript, C++, Spring Boot, REST API, Docker,

**Databases:** MySQL, PostgreSQL, MongoDB, ElasticSearch

**Tools :** Postman, Jira, Confluence, Git, Github, IntelliJ IDEA, Docker, Kubernetes

## Education

**MKSSS'S Cummins College Of Engineering, Pune**

B.Tech in Electronics and Telecommunication.

August 2020 - May 2023

## Achievement

- High Five Awardee and Travel Award for delivering impactful contributions within the IDS project and consistently exceeding team expectations.
- Volunteer at U & I organization | LPF Scholar 2020 | Google Kickstart Participant, 2022