Zeel Kakadia *Software Engineer*

zeelkakadia.work@gmail.com +918401400716 LinkedIn Github Leetcode

Backend Developer with **3+ years of experience** in **Java**, **Spring Boot**, and scalable **REST API** development. Skilled in **MySQL**, **performance optimization**, and automating deployments with **GitHub Actions**. Focused on building **robust**, **maintainable**, and **high-performance backend systems**.

SKILLS

Java | Spring Boot | MYSQL | Neo4j | JUnit | GitHub Actions | Docker | Kubernetes | Kafka | Redis

PROFESSIONAL EXPERIENCE

Aera Technology, *Software Engineer 1* Jan 2022 – present

Multi-Tenant Data Migration

- Contributed to the **automation of customer project migrations** to a new architecture, handling both **MySQL** and **Neo4j** databases with minimal DBA involvement
- Performed **MySQL backups using MySQL Shell** and **Neo4j graph exports using Cypher-shell**, along with necessary data cleanup from source environments
- Developed a **CI/CD pipeline using GitHub Actions** to automate backup, upload to version-controlled repositories, and restoration workflows
- Used **Flyway** for database version control, ensuring a **traceable and consistent migration history** across environments
- Improved **seed deployment time by 40%** and reduced **overall customer migration time by 60%**

Graph Service Development

- **Built comprehensive graph backend service** using Neo4j and MySQL with dynamic Cypher query generation based on complex filtering requirements as per user role base access
- **Developed automated provisioning system** that dynamically creates database schemas, users, and role configurations for project-specific deployments

System Monitoring & Infrastructure

- Designed and implemented a comprehensive **Audit Framework** for real-time tracking of user and role modifications
- Built **liveness and readiness probes** for critical services including **MySQL, Kafka, Neo4j, and Redis** to monitor and maintain application health
- Replaced the deprecated **PhantomJS** with **Puppeteer** to automate chart snapshot generation by rendering HTML and executing JavaScript. Configured necessary **server-side setup** to support headless Chrome

Data Processing & Integration

- Developed a **fast, complex query** to generate **batch-wise JSON output** of DataView metadata—including measures and dimensions—for entire projects. Enabled efficient integration with **GenAI metadata push** by automating JSON file creation and uploading to **MinIO**
- Extracted and processed geospatial data from **OpenStreetMap (OSM)** by filtering and converting **City, State, and Country** boundaries using **multipolygon geometry**, then indexed the data into **OpenSearch** to enable fast, accurate retrieval of custom location borders for internal geospatial queries and applications

Quality Assurance & Optimization

- Developed robust **API automation test suites** and **wrote 80+ JUnit test cases**, improving **API test success rate from 53% to 85%** by systematically resolving critical failures and enhancing overall test reliability
- Resolved multiple **production bugs** and implemented **performance optimizations**, while enhancing the existing codebase through **refactoring** with a focus on code quality and maintainability

EDUCATION

Gujarat Technological University, *B.Tech in Computer Engineering* 2018 – 2022 | Rajkot, Gujarat
CGPA **: 8.90/10**

PROJECTS

Chat Application
- Built real-time **Person-to-Person Chat Application** using **Next.js** and **Firestore** with **Firebase Authentication** for Google account verification
- Implemented user status tracking (online/offline with last seen) and persistent chat history with timestamps

Meme Collection Website
- Developed full-stack web application during **Crio Externship (2021)** using **React.js**, **Express.js**, and **SQLite3**
- Implemented complete **CRUD operations** (GET, POST, PUT, DELETE) for meme management with image URL handling