Akshat Nama

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SKILLS

Languages: Java, SQL, HTML, CSS, C++
Frameworks/Libraries: Spring Boot, Spring Core, Hibernate, Spring Security, REST APIs, RabbitMQ, Kafka
Tools: Git, GitHub, Docker, Kubernetes, Maven, Jira, SonarQube, MySQL Workbench
Other Skills: Microservices, Data Structures & Algorithms, OOPs, JUnit, Mockito

WORK EXPERIENCE

Associate Software Engineer *Jan 2022 - Present*
RoboMQ Pvt. Ltd. *Jaipur, Rajasthan*

- Integrated ADP API Event Notifications with 'Hire2Retire' using **RESTful API's**, enabling **real-time synchronization** of HR data across **Active Directory and Azure Active Directory.**
- Developed **Java microservices** using **Spring Boot** for IT Service Management platforms such as Freshservice, SolarWinds, and Zendesk, automating key operational workflows, boosting **new customer acquisition by 30%.**
- Optimized AD Connector microservice performance by **25%** through efficient LDAP call management, resulting in reduced Active Directory processing time and improved user experience.
- Led the integration of **HR system photo uploads** to **Azure Active Directory**, implementing image compression for more efficient storage and profile management.
- Implemented a feature to **securely store and update OAuth refresh and access tokens** in MySQL database for Azure AD connector using **Hibernate**, ensuring **uninterrupted connectivity** and preventing expiration-related issues.
- Resolved critical software bugs and improved code quality by addressing SonarQube issues, enhancing maintainability and user experience by **40%** through **Mockito and JUnit testing**.
- Collaborated with cross-functional teams using tools like **Jira** and **GitHub**, ensuring smooth version control and timely project delivery in **Agile environments**.

PROJECT

Ride Booking System
Tech Stack: Java, Spring Boot, Hibernate, PostgreSQL, PostGIS, JWT, Swagger, Actuator, OSRM API

Project Overview: Developed a backend system for a ride-booking platform enabling seamless interactions among three user types: Riders, Drivers, and Admins. The platform allows Riders to book rides, pay, and rate drivers; Drivers to accept and manage rides; and Admins to onboard new drivers.

Key Features:

- Developed backend service supporting **Riders**, **Drivers**, and **Admins**, with **role-based access control** for ride booking, payment processing, and profile management via **RESTful APIs**.
- Implemented **dynamic surge pricing** and **fare calculation** using different strategies at runtime, adapting to various scenarios such as peak hours and driver availability. This includes a **driver matching system** that selects drivers based on **rating** and **proximity**.
- Secured the application with **JWT authentication** and **role-based authorization** to ensure differentiated access control for Riders, Drivers, and Admins.
- Leveraged **PostGIS** for **geospatial distance calculations** and integrated **OSRM API** for accurate fare estimation and routing.
- Integrated a **rating system**, allowing Riders to rate Drivers and Drivers to rate Riders, with stored ratings influencing future matches and platform decisions.
- Documented APIs using **Swagger** and incorporated **Actuator** for system monitoring and performance insights.

GitHub Link: Ride Booking System

EDUCATION

Swami Keshvanand Institute of Technology *August 2018 - July 2022*
B.Tech, Computer Science Engineering **(CGPA: 8.43/10)** *Jaipur, Rajasthan*