Mazidul Islam

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Industry Experience

Development Engineer | Prospecta Software Pvt. Ltd.   **February 2023 – Present**

- Developed a Task Analytics dashboard using **Elasticsearch** aggregations to visualize key performance metrics, enabling teams to make **data-driven decisions**.
- Designed a Hierarchy View feature with recursive **SQL queries (CTEs)** to simplify navigation of complex data relationships, improving query speed by **90%** over legacy methods.
- Created a secure Long-Lived Token authentication system during a 4-day hackathon, enabling seamless API integration for external partners.
- Built a data profiling tool using **Apache Spark** to analyze large datasets, identifying duplicates, missing values, and inconsistencies with **100% accuracy**.
- **Led development** of a 360° View Dashboard using nested Elasticsearch structures, providing a unified interface for monitoring data quality and analytics.
- Engineered an **Adapter Microservice** for real-time integration with platforms like SAP/CPI, ensuring data consistency through automatic validation checks.
- Implemented Hierarchy Restriction controls by combining Elasticsearch and SQL queries, allowing admins to set user limits for hierarchy edits/creations.
- Automated workflows by building a **Task Scheduler** for the Data Intelligence Workbench, supporting jobs triggered at daily/weekly/monthly/custom intervals.

Projects

JWT Spring Security ⬡

- Built a Spring Boot application with JWT-based authentication and role-based authorization using Spring Security.
- Secured RESTful APIs by ensuring only authenticated users with the right permissions could access specific resources.
- Created a scalable and reliable foundation for managing user access and protecting sensitive data.

Tech stacks: Java, Spring Boot, Spring Security, and PostgreSQL

MARRS Bank ⬡

- Led a team of 5 developers to design and build a RESTful API for the online payment wallet application.
- Spearheaded the development of Transaction and Wallet Modules, implementing CRUD operations and user validation.

Tech stacks: Java, Spring Boot, MySQL, and Swagger Doc

Achievements

Internet Speed Meter ▷

An Android application that helps users monitor their internet speed and usage in real-time. It provides a visual representation of data usage through a chart and tracks app usage while securely storing data for up to 30 days.

Highlight: Over **500k installs** on Google Play Store.

Technical Skills

Programming Languages: Java, Kotlin, Python, JavaScript, Scala

Backend Development: Spring Boot, Elasticsearch, Hibernate, JPA, RabbitMQ, gRPC, JUnit, Apache Spark, jBPM

Android Development: Java, Kotlin

Frameworks and Libraries: Spring Boot, Hibernate, jQuery

Tools and Platforms: Android Studio, Docker, Git, Bitbucket, Nexus, Firebase, AWS, Google Cloud Platform, Nexus, Jenkins

Databases: MySQL, PostgreSQL, Elasticsearch

Education

Manipal University Jaipur   Feb 2024 - Present
Bachelor of Computer Applications

Masai School, Bangaluru   June 2022 - Jan 2023
Java Backend Developement