Sarthak Paneru

sarthak.paneru007@gmail.com | sarthakpaneru.com.np | github.com/SarthakPaneru

Skills

Programming Languages: Java, Python, Bash, Dart, C++
Libraries/Frameworks: Spring Boot, Git, Docker, Flutter
Database: MySQL, PostgreSQL, Sqlite
Platforms: AWS(ec2, RDS, S3, SQS, SNS, SES, Secrets Manager)
Others: RabbitMQ

Experience

Jr. Java Software Engineer, Access Systems – Anamnagar, Kathmandu   Apr 2023 – Present
- Designed and contributed to microservices that handle messaging and support **multi-tenant architectures**
- Served as a **lead developer** on a microservice focused on SLA compliance for an enterprise client, leveraging AWS SES, SNS, and SQS to process inbound messages and store structured data in Amazon RDS (MySQL)
- **Redesigned database schema** to improve query performance, enabling faster API response times.
- Optimized a slow-performing API by **rewriting SQL queries**, reducing response time from 10 seconds to under 300ms

Java Intern, Access Systems – Anamnagar, Kathmandu   Jan 2023 – Mar 2023
- **Java Fundamentals:** Revised core Java concepts like OOP, collections, and exception handling to build a solid programming foundation used throughout the internship.
- **Spring Boot Development:** Created a Spring Boot application, connected to a MySQL database and exposed CRUD operations using RESTful APIs to demonstrate backend development skills.
- **API Data Handling:** Implemented DTOs to send and receive structured data in APIs, improving data encapsulation and separating internal models from external contracts.
- **AWS S3 Integration:** Integrated AWS S3 into a Spring Boot app to enable file upload and download functionality, enhancing the application with scalable cloud storage.

Projects

Barber Appointment Backend   github.com/SarthakPaneru/Project-II
- Implemented jwt tokens, mail setup
- Used advance algorithm to calculate shortest distance between two points

UI for Barber Appointment   github.com/SarthakPaneru/StyleSlate-Customer
- Integrated REST APIs in Flutter using http package to fetch and display dynamic data in the UI
- Integrated custom authentication flow handling token-based login and secure API access.

Education

Nepal College of Information Technology – BE in Software Engineering   2019 – Present