CLARETES NISHOBAN – Software Engineer

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Summary

- Experienced in full-stack development using **Angular**, **Spring Boot**, **React (TypeScript)**, and **Node.js**.
- Skilled in implementing **Microservices** and **Event-driven** architectures.
- Built **CI/CD** pipelines with **Jenkins**, deploying **Serenity Cucumber** builds to Azure, integrating GitHub **webhooks**, and working with **GitLab pipelines**.

Education

- BSc. (Hons) Information Technology - University of Moratuwa (06/2021 - Present)

Skills

Software Development	Angular, Spring Boot, MySQL, **OptaPlanner**, REST API, **Serenity with Cucumber (Automation),** React (TypeScript), NodeJS, GraphQL, PostgreSQL, Single-SPA (**microfrontend framework**), Prisma (ORM), **Event Driven Architecture**
Cloud	Azure VM, AWS RDS, AWS CloudFront, AWS Lambda, AWS API Gateway, AWS CloudWatch
DevOps	**Jenkins**, Docker, GitLab pipeline YAML configuration
Programming Languages	Java, JavaScript, C, PHP

Experience

Intern Software Engineer | **GTN Technologies** | March 2024 – December 2024 (**09 Months**)

- Integrated **LSEG's World Check ONE API** features with GTN's ECO, a **newly** launched product.
- Implemented case rescreening, re-initialized screenings, and handled production data updates.
- Developed admin features for managing dynamic questions using React and handled **PII** data.
- Contributed to **micro-frontend** architecture with **Single SPA** and AWS CloudWatch debugging.
- Deployed a custom symmetric encryption Node package via GitLab pipelines and managed new APIs using AWS Terraform.

Presentations During Internship

5 Key Ways to Boost API Performance

Explained strategies like Pagination, Asynchronous Communications, Caching, Connection Pooling, and Load Balancing to optimize API performance.

Database Solutions for Large-Scale Applications

Explained database sharding, its necessity for handling large user bases, and its impact on system efficiency.

Projects

- Parking Slot Allocation Service – **Rule Engine** (**OptaPlanner**, Spring Boot)
  - A service that provides an optimized vehicle parking solution using coordinates.
- **End-to-End Encrypted** Chat Application - Real-time (Full Stack, Angular & Spring Boot)
  - A real time chat application (**End to End encrypted**).
- Supermarket System with **Microservice Architecture** (Spring Boot, **Kafka, Eureka, API Gateway**)
  - Developed a microservices architecture with Spring Boot, integrating Kafka for events, Eureka for service discovery, and an API Gateway for secure routing.
- Test Automation with **Serenity BDD & Cucumber and Jenkins SCM Polling**
  - Developed UI and API automation using Serenity BDD & Cucumber, integrated with GitHub webhooks and Jenkins SCM polling for automated builds.
- Rule-Based Route Optimization System (Full Stack, Angular & Spring Boot)
  - Developed a route optimization application for goods delivery, considering constraints to enhance efficiency, reduce costs, and boost company productivity.
- Security System for school students (Hardware Project with PHP-based MySQL Database Management Server)
  - The system notifies parents about their child's attendance on the bus and at school while also providing security features.

Non-Related Referees

Mr. Manoj Prasanna
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