

# CLARETES NISHOBAN – Software Engineer

Email: [charles.nishoban@gmail.com](mailto:charles.nishoban@gmail.com) | Phone: +94719286089 | Portfolio: [clare06.github.io](https://clare06.github.io) | GitHub: [Clare06](#)

## 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, <b>OptaPlanner</b> , REST API, <b>Serenity with Cucumber (Automation)</b> , React (TypeScript), NodeJS, GraphQL, PostgreSQL, Single-SPA ( <b>microfrontend framework</b> ), Prisma (ORM), <b>Event Driven Architecture</b>
Cloud	Azure VM, AWS RDS, AWS CloudFront, AWS Lambda, AWS API Gateway, AWS CloudWatch
DevOps	<b>Jenkins</b> , 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

<b>Mr. Manoj Prasanna</b> Head of Engineering, Enterprise Subscription Services, GTN Technologies (Pvt) Ltd. <a href="mailto:p.manoj@gtngroup.com">p.manoj@gtngroup.com</a> +94778167948	<b>L. P. Priyabashitha</b> Associate Software Architect, Enterprise Customer Onboarding, GTN Technologies (Pvt) Ltd. <a href="mailto:p.lorensu@gtngroup.com">p.lorensu@gtngroup.com</a> +94715848918
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