

CLARETES NISHOBAN

Software Engineer

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PROFILE

Software Engineer combining architectural discipline with creative adaptability. I build scalable systems and seamless user interfaces, transforming technical ambiguity into high-performance solutions that prioritize efficiency and ‘flow’.

EDUCATION

- ◆ **BSc. (Hons) Information Technology** - University of Moratuwa (06/2021 – 08/2025)

SKILLS

Frontend	Angular, React (TS), Single-SPA (Micro-Frontends), Tailwind CSS
Backend & Data	Spring Boot, NodeJS, GraphQL, REST API, MySQL, PostgreSQL, Prisma (ORM)
Architecture & QA	Event Driven Architecture, Microservices, Constraint Solvers (OptaPlanner), Serenity BDD
Cloud & DevOps	AWS (Lambda, RDS, Gateway), Azure VM, Jenkins, Docker, GitLab Pipelines
Languages	Java, JavaScript, C, PHP

EXPERIENCE

Software Engineer

Ace Green B.V.

September 2025 – January 2026

- ◆ Architected a secure, multi-tenant onboarding system using **Spring Boot**, implementing **SecureRandom** token generation, **SHA-256** hashing, and dynamic **JWT** claim injection.
- ◆ Engineered a high-performance **Angular** calendar component with custom **collision detection algorithms** and **GPU-accelerated** gesture controls.
- ◆ Managing schema evolution with **Liquibase**.
- ◆ Accelerated feature delivery by leveraging **Agentic AI** workflows (**Gemini**, **Codex**) to generate production-ready code and unit tests.

Intern Software Engineer

GTN Technologies

March 2024 – December 2024 (09 Months)

- ◆ Integrated **LSEG’s World Check ONE API** features in a newly launched product (**Enterprise**) of GTN.
- ◆ Implemented case rescreening and production data updates using React and handled **PII** data compliance.
- ◆ Contributed to **micro-frontend** architecture with **Single SPA** and AWS CloudWatch debugging.
- ◆ Deployed a custom symmetric encryption Node package via GitLab pipelines and managed APIs using AWS Terraform.
- ◆ Presented technical strategies on **API Performance Optimization** (Caching, Pooling) and **Database Sharding**.

PROJECTS

- ◆ **Parking Slot Rule Engine (OptaPlanner, Spring Boot)**: Engineered a coordinate-based parking optimization service utilizing **OptaPlanner** constraints for efficient space allocation.
- ◆ **Real-Time Secure Chat** (Angular, Spring Boot): Developed a full-stack, end-to-end encrypted messaging platform ensuring secure, low-latency communication.
- ◆ **Supermarket Microservices** (Spring Boot, **Kafka**, Eureka): Architected a distributed system integrating Spring Boot microservices, Kafka for event streaming, and API Gateway.
- ◆ **Travel Recommendation Research** (NLP, Sentiment Analysis): Designed a recommendation engine leveraging NLP to classify review-based sentiments for personalized suggestions.
- ◆ **CI/CD Test Automation** (Serenity BDD, Jenkins): Implemented UI/API automation pipelines using Serenity BDD, fully integrated with GitHub webhooks and Jenkins SCM.
- ◆ **IoT Student Security** (Hardware, PHP, MySQL): Developed a hardware-software solution for real-time student tracking (bus/school) with automated parental notifications.