

# Nifras MJM

## Full-Stack Software Engineer

📍 Narammala, Kurunegala, Sri Lanka

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🌐 Portfolio

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LinkedIn

GitHub

## PROFILE

Full-stack Software Engineer with 1+ years of experience delivering end-to-end web applications from UI to backend services. Strong in Java and Spring Boot for REST APIs and microservices, with hands-on frontend experience using React/Next.js and practical deployment experience in cloud environments. Enjoys building reliable user-facing features backed by scalable systems, clean architecture, and measurable performance improvements.

## EXPERIENCE

**Freelance Software Engineer** Jul 2024 – Present

*Upwork*

*Remote*

- Built and shipped full-stack applications using Java Spring Boot and React, with additional API services in FastAPI when needed.
- Implemented REST APIs, authentication-ready backend patterns, and responsive UI flows aligned with client requirements.
- Handled deployments and post-release maintenance, ensuring stable delivery for international clients.

**Software Engineer Intern** May 2024 – Dec 2024

*MegaBliss & MegaTransact LTD*

*Auckland, NZ (Remote)*

- Contributed to a vehicle booking platform by developing Spring Boot services and collaborating across product and engineering teams.
- Worked with API documentation/testing tools (Swagger, Postman) and supported performance improvements in SQL queries.
- Participated in code reviews and agile sprints, ensuring code quality through unit and integration testing.

**Technical Recruiter** Oct 2022 – Sep 2023

*Hire IT People*

*NJ, USA (Remote)*

- Supported technical hiring pipelines by sourcing and screening candidates for software engineering roles.
- Prepared and posted job openings on LinkedIn, effectively reaching a wide pool of qualified applicants.
- Participated in rate/salary negotiations with candidates and employers, successfully placing candidates in suitable roles.

**Maths and Chemistry Tutor** Sep 2019 – May 2021

## EDUCATION

**BSc Engineering (Hons) in Computer Engineering** 2021 – 2025

*University of Ruhuna*

*Galle, Sri Lanka*

IESL Student Member (S-30998)

**Diploma in IT & Diploma in English** June 2020

*ESOFT Metro Campus*

*Sri Lanka*

## PROJECTS

### MegaRide Vehicle Booking System

*Java, Spring Boot, Kafka, PostgreSQL, React Native, AWS*

- Engineered and maintained core microservices using Java and Spring Boot, implementing Kafka for asynchronous event-driven communication between booking and notification services.

- Optimized system modularity and horizontal scalability on AWS, ensuring high availability for a production-grade vehicle booking platform.

### **Student Portfolio Management System (Final Year Project)**

*.NET Core, Next.js, FastAPI, CrewAI, Neo4j, Citus, AWS*

- Developed a polyglot microservices architecture that decoupled .NET business logic from Python-based AI services, utilizing Neo4j for complex relationship mapping and Citus for distributed PostgreSQL scaling.
- Integrated CrewAI to automate portfolio insights, showcasing the ability to bridge modern software architecture with generative AI agents.

### **High-Concurrency Flash Sale System**

*Java, Spring Boot, Redis (Lua), Kafka, PostgreSQL, JMeter*

- Designed a high-performance inventory management system capable of handling 10,000+ concurrent requests per second by utilizing Redis Lua scripts for atomic operations.
- Implemented an event-driven architecture with Apache Kafka to manage peak traffic loads and ensure data consistency across PostgreSQL databases.

### **Online Laptop Store**

*React, Java, Spring Boot, PostgreSQL*

- Delivered a full-stack e-commerce solution featuring a Spring Boot backend and React frontend, including a comprehensive admin dashboard for real-time inventory and order management.
- Designed a normalized relational database schema in PostgreSQL to ensure data integrity and efficient query performance for product catalogs.

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## **TECHNICAL SKILLS**

**Languages:** Java, Python, TypeScript, Go, Kotlin, JavaScript, C#, C, C++

**Backend & Frameworks:** Spring Boot, .NET Core, FastAPI, Express.js, REST APIs

**Frontend & Mobile:** React.js, Next.js, Vue.js, Flutter, React Native

**AI / Machine Learning:** Generative AI, LLMs, PyTorch, Hugging Face, LangChain, CrewAI, TensorFlow, Scikit-learn, Pandas, NumPy, RAG

**Cloud & DevOps:** AWS (EC2, S3, VPC), GCP, Azure, Docker, Kubernetes, Jenkins, Terraform, Ansible

**Databases:** PostgreSQL (Citus), Neo4j, MongoDB, Redis (Lua), MySQL, Firebase

**Observability & Testing:** Prometheus, Grafana, JMeter, Postman, Swagger/OpenAPI

**Messaging:** Apache Kafka, RabbitMQ

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## **SKILLS & ABILITIES**

Problem Solving, Critical Thinking, Leadership, Time Management, Teamwork, Communication

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## **CERTIFICATIONS**

- Fundamentals of Site Reliability Engineering
- Kubernetes for the Absolute Beginners - Hands-on Tutorial
- Kubernetes For Absolute Beginners
- Crash Course: AWS Basics

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## **REFERENCES**

Available upon request.