

# NALEENA KUMARASINGHE

## Software Engineer | Full Stack Developer

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### PROFESSIONAL SUMMARY

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Analytical Software Engineer and Computer Networks undergraduate at NSBM Green University. Experienced in building responsive web applications using the PERN stack (PostgreSQL, Express.js, React, Node.js) through independent freelance projects. Driven by a minimalist optimizer's mindset, bridging the gap between terminal-driven efficiency (Linux/CLI) and exceptional, user-centric frontend design. A collaborative yet independent problem-solver seeking a Full Stack Developer role to contribute to scalable backend architecture and intuitive user experiences.

### WORK EXPERIENCE

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- Trainee** - Bank of Ceylon (Regional Loan Center - Kandy) April 2023 - October 2023
- Evaluated and verified over 30+ complex loan document sets, ensuring 100% compliance with strict banking regulations and credit frameworks.
  - Streamlined regional administrative workflows, reducing data entry backlogs to cut application turnaround times by 3+ days and accelerate the credit approval lifecycle.
  - Maintained internal digital databases with a 99% accuracy rating while collaborating across 3 departments to eliminate application processing bottlenecks.

### TECHNICAL SKILLS

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**Programming Languages:** JavaScript (ES6+), TypeScript, Java, C  
**Frontend Development:** React.js, Next.js, Tailwind CSS, CSS3, GSAP, Framer Motion  
**Backend Development:** Node.js, Express.js, Nest.js, RESTful API Design, Backend Architecture  
**Database & Cloud:** PostgreSQL, MySQL, MongoDB, AWS  
**DevOps & Tools:** Git, Docker, CI/CD, Linux (Ubuntu), Bash Scripting, Postman, Figma  
**Soft Skills:** Teamwork, Problem-solving, Adaptability, Client Interaction, Collaboration, Communication

### PROJECTS

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**GeoScribe** - Travel Journaling Platform 2026

A location-based web application that enables users to document chronologically and geographically pin travel experiences onto an interactive mapping interface.

- Engineered a decoupled full-stack REST API using Node.js and Express.js, seamlessly incorporated with a mobile-friendly React frontend.
- Implemented interactive spatial tracking layers with Leaflet and OpenStreetMap, featuring a secure, JWT-authenticated user isolation system for CRUD operations.

Technologies: React, Node.js, Express.js, PostgreSQL, Leaflet, OpenStreetMap, Framer Motion, CSS, Git

**System Health Monitor** - Automation & Monitoring 2026

An automated system monitoring utility created to maintain server reliability through real-time resource tracking and instant incident notification.

- Built a specialized Bash script merged with Cron for scheduled execution to proactively monitor CPU, memory, and disk utilization against defined thresholds.
- Configured a lightweight, zero-dependency Discord Webhook integration for remote alerting and immediate visibility into performance issues.

Technologies: Bash Scripting, Linux (Ubuntu), Cron Jobs, Discord Webhooks

**Warehouse Management System** - DEA Group Project 2025

A centralized logistics administration platform enabling real-time inventory tracking and improved supply chain visibility across multiple locations.

- Optimized a comprehensive inventory control module using MVC architecture for real-time tracking of product lifecycles and Advanced Shipping Notices (ASN).
- Led the team to build a configurable order processing engine for shipment tracking, utilizing an adaptive Bootstrap 5 interface.

Technologies: Java (J2EE, Servlets, JSP), MySQL, Bootstrap 5, JDBC, MVC Architecture

**MyClinic** - Medical POS & Administration Platform - Freelance Project 2024

A comprehensive healthcare administration and inventory platform designed to digitize patient records and streamline daily medical workflows.

- Developed interactive user flows in Figma and built a cross-device React and Tailwind CSS frontend to modernize patient tracking.
- Integrated a secure stock tracking module with Recharts data visualization and implemented role-based access control using JWT.

Technologies: React, Node.js, Express.js, MySQL, Tailwind CSS, Git, Recharts, JWT, Figma

## EDUCATION

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NSBM Green University, Homagama 2023 - present  
**BSc (Honours) in Computer Networks - UGC**

Kingswood College, Kandy 2007 - 2021  
**Business Studies, Accounting, and ICT**

## CERTIFICATIONS

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**KodeKloud** - Microsoft Azure Fundamentals (2026)

**WSO2** - Linux Systems Administration and DevOps Engineering Training Program (2025)

**CISCO** - IT Essentials (2025)