

NOYAL NIROSHAN

FULL-STACK SOFTWARE ENGINEER

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Professional Summary

Full-Stack Software Engineer and Freelance Developer with 2+ years of practical experience designing, engineering, deploying, and maintaining web applications, SaaS platforms, e-commerce solutions, booking engines, administrative dashboards, and desktop tools. Proficient across modern frontend stacks, backend Web APIs, relational & vector databases, cloud infrastructure (AWS), payment gateways, and agentic AI development workflows. Successfully delivered 50+ commercial and independent software projects across hospitality, travel, logistics, e-commerce, and municipal GovTech domains.

Professional Experience

Freelance Developer

N²Dev (Freelance) – Web, Apps, Admin Systems, Design & Agentic Dev

2026 – Present

Sri Lanka

- Delivering end-to-end software applications, administrative management portals, e-commerce stores, and agentic AI solutions for international and local clients.
- Managing full product lifecycles including database schema design, REST/GraphQL API development, UI/UX implementation, cloud deployment, and long-term maintenance.

Junior Web Developer & Branch Admin

Altitude1 Pvt Ltd (Subsidiary of Prime One Global Pvt Ltd)

Apr 2025 – Apr 2026

Jaffna, Sri Lanka

- Developed responsive websites and web applications across multiple industry niches, maintaining strict performance, accessibility, and UI standards.
- Independently architected and executed core client projects from requirements gathering to server deployment while supervising daily branch administrative operations.

Web Developer Intern

Innovay Pvt Ltd

Aug 2024 – Jan 2025

Jaffna, Sri Lanka

- Developed customized WordPress and Laravel web solutions, integrated secure payment gateways, and managed Linux hosting environments via cPanel.
- Collaborated with cross-functional digital marketing teams to optimize web content layout, ad campaign assets, and product visual presentation.

Education

BEng (Hons) in Software Engineering – First Class Honours

ESOFT Metro Campus, Jaffna (London Metropolitan University)

2026

Jaffna, Sri Lanka | Top Performer

- **Distinction & Award:** Awarded First Class Honours & Recognized as Top Performer of the Programme (London Metropolitan University Graduation 2026).
- **Coursework:** Application Development, Advanced Software Engineering, Artificial Intelligence, Project Analytics and Management, Final Capstone Project.

Higher National Diploma (HND) in Information Technology – Distinction

Advanced Technological Institute, Jaffna (SLIATE)

Jan 2022 – Jun 2024

Jaffna, Sri Lanka | GPA: 3.99 / 4.00

- **Academic Standing:** Completed HND in IT with Distinction and a cumulative GPA of 3.99 / 4.00.
- **Coursework:** Computer Architecture, Data Structures and Algorithms, Object-Oriented Programming, Database Management Systems, Software Engineering, Computer Networks, Machine Learning, Statistics.

Diploma in English

British College of Education, Jaffna

2020

Jaffna, Sri Lanka

- **Coursework:** Speaking and Listening Skills, Reading and Comprehension, Writing Skills.

- **Results:** Business Studies (C), Economics (C), Accounting (S), English (B)
- **Coursework:** Commerce for the degree foundation.

International Experience & Delegations

GITEX Asia 2026 – International Delegate

Representing Prime One Global Pvt Ltd & Altitude1 Pvt Ltd

2026

Singapore

- Represented Prime One Global and Altitude1 on an international stage at GITEX Asia 2026 at Marina Bay Sands, Singapore.
- Engaged with international technology executives, founders, and investors while exploring emerging breakthroughs in AI agent frameworks, cloud infrastructure, and enterprise SaaS technologies.

Technical Skills

Programming Languages	JavaScript, TypeScript, PHP, Python, C#, Java, HTML5, CSS3, SQL
Frontend Development	React, Next.js, Vite, Tailwind CSS, Livewire, Ant Design, Radix UI, Bootstrap 5
Backend Development	Node.js, Express.js, Laravel (11/12), ASP.NET Core 8 MVC, Django 5.2, REST APIs
Databases & Vector DBs	MySQL, MongoDB, Microsoft SQL Server, SQLite, Redis, FAISS Vector DB
Frameworks & ORMs	Filament PHP 3, Prisma ORM, Entity Framework Core 9, Mongoose, Eloquent ORM
Cloud & DevOps	AWS (EC2, IAM, S3, CloudWatch, SES, SQS, VPC), Hostinger, cPanel, Netlify, Render, Git, GitHub
APIs & Integrations	Stripe (Checkout, Webhooks, Billing), Firebase Auth, JWT, OAuth 2.0, Socket.IO, Nodemailer, Spatie RBAC
Software Engineering	System Architecture, Role-Based Access Control, CMS, FIFO Ledger Logic, Database Design
AI & Development Tools	Antigravity IDE, Cursor AI, Groq LLM API, Hugging Face Transformers, Flan-T5, MiniLM, FAISS

Selected Projects

Cameron Gateways – Full-Stack Travel Booking Platform

2025 – 2026

Live Site: <https://camerongateways.com>

- Engineered a production travel booking platform for a Malaysian agency covering tour packages, private transfers, scooter rentals, and homestays.
- Integrated Stripe Checkout & webhooks for automated payment reconciliation, refunds, dynamic seasonal pricing, and inventory slot locks.
- Built a permission-gated admin CMS supporting walk-in booking management, marketing offer popups, customer review moderation, and API secrets vault.
- **Tech Stack:** Next.js 15, React 19, TypeScript, Express.js, Prisma ORM, MySQL, Stripe, Firebase Auth, Tailwind CSS 4.

Smart Waste Management System – Multi-App MERN Platform

2024 – 2025

Live Site: <https://lambent-quokka-8c439c.netlify.app/>

- Built a multi-tenant MERN platform for Jaffna municipal waste operations with separate React/Vite interfaces for public citizens and city drivers/admins.
- Implemented real-time waste bundling auctions using Socket.IO rooms and live driver fleet tracking via Traccar GPS REST API and Leaflet maps.
- Integrated Groq LLM API for automated recycling chatbot assistance and generated 8 automated municipal report suites with CSV export.
- **Tech Stack:** React 18, TypeScript, Vite, Express.js, MongoDB, Mongoose, Socket.IO, Stripe, Traccar GPS, Groq LLM, Leaflet.

Orange Sunshine Hotel – Hotel Reservation & PMS

2024 – 2025

Live Site: <https://prismatic-brioche-94123b.netlify.app/>

- Developed a 3-app hospitality management suite supporting guest online room bookings, travel agent group reservations, and staff front-desk PMS operations.

- Integrated Stripe PaymentIntents & SetupIntents for card pre-authorization, delayed capture, billing extras (spa/minibar), and instant PDF invoices.
- Built background `node-cron` jobs for 7 PM unconfirmed booking auto-cancellations and housekeeping room status tracking.
- **Tech Stack:** React 18, TypeScript, Vite, Express 5, MongoDB, Stripe, Nodemailer, FullCalendar, node-cron, Tailwind CSS.

StarEvents – ASP.NET Core Event Ticketing Platform

2024 – 2025

- Built an enterprise event ticketing platform featuring interactive venue seat selection maps, session cart management, and promotional loyalty points.
- Integrated Stripe.net PaymentIntents (LKR) with policy-based refund authorization workflows and automated admin approval queues.
- Developed automated QR-coded PDF ticket and invoice generators using QRCode and iText7, accompanied by Chart.js/ApexCharts sales dashboards.
- **Tech Stack:** ASP.NET Core 8 MVC, C#, EF Core 9, SQL Server, Cookie Auth + RBAC, Stripe.net, QRCode, iText7, Bootstrap 5.

e-Shift – Household Goods Transport Management System

2024 – 2025

- Developed a C# WinForms desktop logistics system to automate relocation job requests, load splitting, and transport unit assembly.
- Engineered state-driven resource allocation: assigning a unit sets resources to **InUse** and job completion auto-releases them to **Available**.
- Implemented SHA-256 password security, LINQ querying, EF Core 9 auto-migrations, and multi-page PDF manifest export via PDFsharp.
- **Tech Stack:** C#, .NET 9, WinForms, EF Core 9, SQL Server Express, PDFsharp, SHA-256 Hashing.

VROOMbot – AI Vehicle Recommendation Chatbot

2024 – 2025

- Designed an AI vehicle advisor processing natural language preferences over a 2,000-vehicle dataset using Hugging Face Flan-T5 for intent extraction.
- Built semantic vector search using Sentence-Transformers MiniLM and FAISS for sub-second vehicle catalog retrieval.
- Implemented side-by-side spec comparison tables, multi-year EMI/tax calculators, and a MySQL feedback scoring loop for recommendation tuning.
- **Tech Stack:** Python 3.10, Django 5.2, Flan-T5, Sentence-Transformers, FAISS, pandas, scikit-learn, MySQL.

Cloud Server Provisioning Platform – AWS Hosting Control Panel

2025 – 2026

- Built an AWS cloud hosting SaaS automating EC2 server launch, VPC isolation, Elastic IP allocation, and EBS disk attachment post Stripe payment.
- Embedded live Amazon CloudWatch CPU and bandwidth telemetry widgets into customer dashboards via background Redis queue workers.
- Implemented Filament PHP 3 administrative operations for subscription tracking, support tickets, and verified Stripe webhook event handling.
- **Tech Stack:** Laravel 11, Filament PHP 3, Livewire, Alpine.js, AWS (EC2, CloudWatch, S3, SES, SQS, IAM, VPC), Stripe, Redis, MySQL.

Commet – SaaS Attendance Management System

2025 – 2026

- Developed a multi-branch attendance SaaS with employee check-in/out, break time tracking, and leave application workflows.
- Enforced automated business rules: late punches after 08:45 AM require mandatory reason entry, and break overtime triggers instant manager alerts.
- Implemented branch-isolated administrative views using Spatie RBAC and automated monthly summary PDF exports via DomPDF.
- **Tech Stack:** PHP 8.2, Laravel 12, Spatie Permission, Livewire, Tailwind CSS, DomPDF, MySQL, SMTP Mail.

ElectraMart – Electronics E-Commerce Platform

2025 – 2026

GitHub Repo: <https://github.com/NoyalNiroshan/ECommerceDemo>

- Engineered a full-stack electronics storefront with URL-driven catalog filters, a persistent 30-day cookie cart, and user order tracking.
- Integrated Cash on Delivery (COD) and Stripe Checkout payment workflows with post-payment order confirmation emails.
- Built a Filament 3.2 admin panel for catalog management, stock toggles, user roles, and order fulfillment states.
- **Tech Stack:** Laravel 11, Livewire 3, Filament 3.2, Stripe PHP SDK, Tailwind CSS, Preline UI, SQLite / MySQL.

GitHub Repo: <https://github.com/NoyalNiroshan/InventoryManagementSystem>

- Architected an enterprise POS and inventory suite featuring automated First-In, First-Out (FIFO) stock deduction via Eloquent model lifecycle hooks.
- Built real-time Chart.js dashboards for sales revenue trendlines, category doughnut breakdowns, and inventory velocity bar charts.
- Developed custom atomic prefixed primary key generators (pr001, si001, sl001) across 14 models and automated low-stock email alerts.
- **Tech Stack:** PHP 8.2+, Laravel 11, Filament PHP 3, Livewire 3, Chart.js, Tailwind CSS, Eloquent FIFO Engine, MySQL.

Awards & Recognition

- **Top Performer of the Programme** – BEng (Hons) Software Engineering, London Metropolitan University Graduation 2026.
- **First Class Honours** – BEng (Hons) Software Engineering, London Metropolitan University.
- **HND Distinction** – Higher National Diploma in Information Technology, SLIATE ATI Jaffna.
- **GPA 3.99 / 4.00** – Higher National Diploma in Information Technology, SLIATE ATI Jaffna.

Languages

Tamil (Native)	English (Professional)	Sinhala (Working)
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Referee

Mr. S. Vijeev
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