

VISNU SINGH

Full Stack Developer | London, United Kingdom | Right to Work in UK | Open to Relocation

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PROFESSIONAL SUMMARY

Full stack engineer who builds and ships live booking platforms processing real customer transactions, specializing in Node.js REST APIs, Redis caching, secure authentication (OAuth, JWT, RBAC), and Dockerized CI/CD deployments. Delivered ~50% faster lookups and 25% query performance gains. Seeking backend or full stack roles in SaaS, fintech, or AI-driven products.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, SQL

Backend & APIs: Node.js, Express.js, Flask, REST API Design, RBAC, OAuth 2.0, JWT

Databases & Caching: PostgreSQL, MySQL, SQLite, Firestore, Redis

Cloud & DevOps: AWS EC2, Docker, Linux, CI/CD, GitHub Actions

Frontend: React, Next.js, Tailwind CSS, Vite

Testing & Practices: Unit Testing (Jest, Pytest), Swagger/OpenAPI, Agile/Scrum, Code Review

Architecture: System Design, API Integrations, Query Optimization, Logging, Monitoring, Performance Optimization, Git

PROFESSIONAL EXPERIENCE

Full Stack Engineer | Gregg Maurice ([Live](#))

11/2025 – Present

Airport parking booking platform serving Heathrow & Gatwick | React, Tailwind CSS, Node.js, Express.js, Redis, REST APIs

- Shipped a live airport parking platform processing real customer transactions for Heathrow and Gatwick bookings, with SEO-optimized landing pages.
- Accelerated repeated supplier and booking lookups by ~50% by implementing Redis caching, cutting database load and speeding up daily admin workflows.
- Architected a secure admin panel with RBAC, protected routes, and inactivity auto-logout, covering booking management, promo controls, and operational settings.
- Automated backend pipelines for IMAP supplier email parsing, booking import queues, and Nodemailer notifications, eliminating manual data entry.
- Engineered end-to-end booking workflows (search, filtering, reports, CSV export, amend/extend flows) and supplier commission reporting with per-supplier email dispatch, strengthening operational and financial oversight.
- Reduced production regressions by automating linting, build validation, and deployment checks in GitHub Actions CI pipelines.

Freelance Full Stack Engineer | TEKNIFY LTD ([Live](#))

08/2025 – 10/2025

Store discovery & booking platform for a retail business | Node.js, Express.js, Firebase, SQLite, Redis, Google OAuth, Docker

- Designed and launched production REST APIs for store discovery, booking workflows, secure admin operations, and dynamic site configuration.
- Improved API response times by ~50% through Redis caching of repeated requests, and secured admin operations with Google OAuth and protected routes.
- Automated booking confirmation workflows with branded SMTP email templates, retry-safe states, and delivery observability, ensuring reliable customer communication.
- Built nearest-store functionality using geolocation, Haversine distance calculations, ETA logic, and Google Maps API integration.

Backend Developer | Online Learning Platform (Academic Project, [Repo](#))

12/2024 – 05/2025

Node.js, Express.js, MySQL, JWT, RBAC

- Improved dashboard and lecture retrieval performance by 25% by designing normalized MySQL schemas and optimizing backend queries.
- Built secure REST APIs for lecture uploads, course management, and role-based access control for professors and students.
- Implemented JWT authentication and role-based middleware to secure access across lecture and course workflows.

Backend Developer | Smart Camera Monitoring System (Academic Project, [Repo](#))

09/2024 – 12/2024

Python, Flask, OpenCV, AWS EC2, SQLite

- Achieved 92% motion detection accuracy by building a real-time backend with OpenCV and optimized frame differencing.
- Delivered 30 FPS streaming at under 200 ms latency through low-latency Flask APIs, deployed and tuned on AWS EC2 (Linux) for production-level reliability.
- Improved incident response efficiency by 40% with SQLite-based incident logging and a Flask dashboard for live feeds and event history.

EDUCATION

BSc Computer Science (Final Year Top-Up, Transfer Student) – University of Northampton, UK09/2024 – 07/2025

BSc Computer Science – Assumption University, Thailand05/2021 – 03/2024

CERTIFICATIONS

Microsoft Certified: Azure Fundamentals – Microsoft ([Credential](#))

06/2026

AWS Academy Cloud Foundations – Amazon Web Services ([Credential](#))

02/2024