Yasoga Nanayakkarawasam

Full-Stack Developer & DevOps Engineer

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EXPERIENCE

Independent Technical Contributor — *Jul 2025 – Present*

BitByBit

- Architected scalable, low-latency serverless APIs using TypeScript, Hono, and Cloudflare Workers for edge execution.
- Managed global distributed state and storage using Cloudflare D1 (SQL), R2 (object storage), and KV (key-value).
- Designed and maintained secure CI/CD pipelines with automated secret rotation and observability via BetterStack.
- Implemented privacy-preserving architectures ensuring data residency compliance and mitigating architectural/legal risk.
- Executed targeted Next.js frontend stability patches and rigorous security-focused code audits.

TypeScript · Hono · Cloudflare Workers · Cloudflare D1 · Cloudflare R2 · Cloudflare KV · Next.js · CI/CD · BetterStack

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Intern Full-Stack Developer — *Jan 2025 – Dec 2025*

NeoMedia Digital Agency

- Architected and built responsive, high-performance web applications using TypeScript, React, and Next.js.
- Developed robust backend systems and RESTful APIs with Node.js, integrating MinIO for S3-compatible object storage.
- Managed end-to-end deployment workflows and server infrastructure, ensuring high availability without direct supervision.
- Acted as sole technical contributor, translating client requirements into fully deployed, production-ready solutions.

TypeScript · React · Next.js · Node.js · MinIO · REST APIs · Server Administration · Git · Deployment Pipelines

EDUCATION

BEng Computer Networking and Cloud Security (Top-Up) — *Mar 2026 – Mar 2027*

London Metropolitan University · via ESOFT Uni

Final-year Top-Up covering advanced cloud architecture, network security, and IoT security, completing a full Bachelor's degree in Computer Networking and Cloud Security.

BTEC Higher National Diploma in Computing (Cyber Security) — *Mar 2024 – Mar 2026*

Pearson · via ESOFT Uni

Specialized in Cyber Security with coursework in network defense, cloud infrastructure, and security principles. Hands-on experience with cybersecurity frameworks and secure network administration.

Diploma in Information Technology — *Sep 2023 – Jul 2024*

Skills Education Group · via ESOFT Metro Campus

Foundation in programming, networking, and system administration. Practical projects covering core technical competencies and hardware troubleshooting.

PROJECTS

pqaudit — Post-Quantum TLS Audit Tool

• ACTIVE

github.com/YasogaN/pqaudit · crates.io/crates/pqaudit

Probes any TLS endpoint for post-quantum readiness and scores it against NIST IR 8547, CNSA 2.0, and FIPS 140-3. Single binary, CI-native, with CBOM and SARIF output.

Rust · TLS 1.3 · Post-Quantum Cryptography · NIST IR 8547 · CBOM · SARIF · CLI Tool · GitHub Actions

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Google Maps Review Scraper

• ACTIVE

github.com/YasogaN/google-maps-review-scraper · npmjs.com/package/google-maps-review-scraper

TypeScript npm module that scrapes Google Maps place reviews via reverse-engineered Google Maps APIs.

TypeScript · Web Scraping · Google Maps · npm Package · Reverse Engineering

SKILLS

TypeScript · JavaScript · Rust · Python · Node.js · React · Next.js · Vite · Astro · Hono · Cloudflare Workers · Cloudflare D1 · Cloudflare R2 · Cloudflare KV · Cloudflare Pages · PostgreSQL · Redis · Docker · Kubernetes · CI/CD Pipeline Design · Serverless Architecture · Edge Computing · REST APIs · GraphQL · gRPC · protobuf · Zero Trust Architecture · Cryptography Implementation · Post-Quantum Cryptography · TLS 1.3 · IKEv2/IPsec · API Security · Distributed Systems Design · Microservices Architecture · Scalability Patterns · API Design · Database Design · Monitoring & Observability