Tran Manh Tuan

Technical Lead & Full-stack Engineer

Backend · Cloud Infrastructure · Production Troubleshooting

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Resume

10+ years of experience · 5+ years as Technical Lead

10+ years building, operating and troubleshooting production web systems — backend services in TypeScript and Node.js, GCP and AWS infrastructure managed with Terraform, and the production operations around both.

Most of my work sits where an application meets the infrastructure it runs on: the place where a failure is neither purely a code bug nor purely an infrastructure fault. I can take responsibility for a production system, understand it across application and infrastructure layers, and investigate complex failures until the actual root cause is found.

Experience

06/2024 – Present
Gianty Vietnam

Technical Lead

- Technical ownership for Japanese enterprise client projects
- Backend APIs in TypeScript
- GCP and AWS infrastructure, managed with Terraform
- Production operations and release support
- Security incident handling
- Architecture review and technical troubleshooting

`TYPESCRIPT · NODE.JS · GCP · AWS · TERRAFORM`

12/2021 – 05/2024
gumi Vietnam

Technical Lead

- Built teams, chose the stack, designed the architecture and analysed risks before each project started; estimated technical budgets
- Supported teams on hard problems and technology research; trained and mentored staff alongside the other leads
- Reviewed workflows and the baseline security of projects
- **Waroku** — Hospital Karte (Tech Lead) and Home-Visit Nursing (Project Leader + Tech Lead), cloud healthcare frontends: Vue.js + Nuxt, TypeScript, Vuetify, AWS S3
- **TaxPal** — tax, accounting audit and sales-KPI management (Tech Lead): React + Next.js, PostgreSQL, GraphQL, Prisma, AWS (Cognito, Lambda, SNS, SES, DynamoDB, CloudTrail), Elasticsearch, Docker, Terraform

Technical Skills

Languages

TypeScript · JavaScript · PHP · Python (basic) · Go (reading)

Backend

Node.js · NestJS · REST APIs · GraphQL · Prisma · Laravel · CodeIgniter · PostgreSQL · MySQL · DynamoDB · Elasticsearch · Firebase (Firestore, Auth, Cloud Messaging)

Cloud

GCP (Cloud Run, Cloud Functions, Cloud Tasks, BigQuery, Secret Manager, IAM) · AWS (Lambda, Cognito, SNS, SES, DynamoDB, CloudTrail) · Cloudflare

Infrastructure

Terraform · Docker · GitHub Actions · Git

Frontend & Mobile

Next.js · React · Nuxt · Vue · Angular · Tailwind CSS · Flutter

Operations & Quality

Cloud Logging · Monitoring · Incident response · Cypress (automation testing)

What I Can Help With

Backend Engineering
Building backends and APIs for business systems and high-traffic platforms, keeping data correct and responses fast through query tuning, caching and background jobs for heavy work. Examples: Dr.Well-B, TaxPal, and a Beacon platform that has handled 761,921 device connections in a single hour.

- **Dr.Well-B** — platform for doctors and dentists in Japan: verified membership with approvals, targeted ads, survey engine, job search, batch reward points (Tech Lead + Backend): Node.js + NestJS, Angular, Firebase (Firestore, Auth, Hosting, Storage, Cloud Messaging), GCP (Cloud Run, Cloud Functions, Cloud Tasks, BigQuery, Secret Manager, IAM), Docker, Elasticsearch, Cypress

`NODE.JS · NESTJS · FIREBASE · GCP · AWS · TERRAFORM · NEXT.JS · NUXT`

06/2020 – 11/2021
OMNI Solution

Full Stack Engineer

Web development with PHP Laravel and Web APIs; Android/iOS apps with Flutter; code and large-database optimisation; project skeletons and structure for new work; technology research and team training.

01/2015 – 06/2020
Freelance

Full Stack Developer

Small to large projects, mostly PHP (Zend, CakePHP, CodeIgniter 2–4, custom WordPress), some Python; jQuery, Node.js, Vue.js; Git.

10/2011 – 12/2014
Puresolution · Appsolut · Nhan Hoa Software

PHP Developer → Senior PHP Developer / Project Manager

Project analysis, database and system design, technical research; HTML/CSS layouts and system development in PHP.

Cloud Infrastructure
Provisioning and managing GCP and AWS infrastructure in Terraform, so every environment can be reviewed and recreated. IAM, secrets, CI/CD and monitoring are in place from day one, which makes each release routine work rather than a risk.

Production Troubleshooting
Finding the real root cause when production breaks and it is unclear whether the application, the cloud or the CDN is at fault, then fixing it and adding the monitoring that keeps it from coming back. Case study: an HTTP 500 that only Googlebot saw.

Security & Reliability
Investigating security incidents, reviewing infrastructure and access, and hardening production: secrets kept out of source code, and vulnerability and leaked-secret scanning (Trivy, Semgrep, Gitleaks) in CI, so risks are caught before they become incidents.

Technical Leadership
Keeping a project technically on course: architecture direction and trade-off decisions, reviews that catch risk before release, mentoring, and leading the team through incidents — as Tech Lead on healthcare, tax and accounting, and enterprise web projects.

Full-stack Web Development
Setting up and maintaining Next.js, React, Nuxt and Vue applications together with the API behind them, and resolving the framework, routing and i18n issues that slow a whole team down — from corporate websites to healthcare systems.

Education

Diploma of Information Technology

Ho Chi Minh City University of Industry · 2006 – 2009

Certificates

Microsoft Certified Systems Administrator (MCSA)

2009

Interests

Reading · Gaming · Exploring new technology