Farhan Nur Hakim

Fullstack Web Developer & Backend Engineer

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PROFESSIONAL SUMMARY

Telecommunications Engineering graduate from Telkom University (GPA 3.73/4.00, cum laude) with three years of professional experience building fullstack web platforms, backend services, and on-premise infrastructure. At PT EGI Resources and its subsidiaries delivered 15+ corporate websites and five production systems, including a hotel management platform, an inventory ledger, and a multilingual job portal. Works end to end from database schema to deployment: Go, Node.js, and NestJS APIs; Next.js and React interfaces; PostgreSQL; Docker, Nginx, and Linux administration.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Go, SQL, PHP, Python, Java, Kotlin, C, C++

Frontend: Next.js, React, Vue 3, Tailwind CSS, Vite, next-intl, Redux

Backend: NestJS, Express, Go Fiber, FastAPI, REST APIs, JWT, OAuth, Zod, Socket.IO

Data: PostgreSQL, Prisma, Drizzle ORM, MongoDB, Redis, Elasticsearch, Meilisearch, S3 / MinIO

Infrastructure: Docker, Docker Compose, Nginx, Ubuntu Linux, Windows Server, Let's Encrypt, Kerio Control, VPN, SSH hardening, GitHub Actions

Practices: Agile Scrum, Git, Playwright, Vitest, accessibility, technical documentation

WORK EXPERIENCE

Software Engineer — PT EGI Resources, Indonesia | Nov 2024 – Present

- Build and maintain the group's web estate: the corporate holding site, a defence-optics subsidiary site, three hospitality brand sites, and a cafe platform serving outlets in Uzbekistan.
- Delivered five internal and public production systems: Hadith Hotel Management System, EGI Optik Inventory System, Job Talentio, Cari Kerja, and the 7Oz Espresso platform.
- Own application and infrastructure delivery for Hadith Hotel: hardened key-only SSH access, a restricted jump host, Kerio Control firewall and VPN rules, Nginx reverse proxy with Let's Encrypt automatic TLS, and recovery of the Docker Compose stack to a healthy public HTTPS state.
- Designed PostgreSQL schemas and REST APIs with server-side role checks, audit logging, and immutable stock and folio ledgers.
- Shipped 15+ corporate websites on WordPress with custom themes and block patterns, covering responsive design, SEO readiness, and security hardening.

Stack: Next.js, React, TypeScript, NestJS, Express, Go, PostgreSQL, Drizzle ORM, Prisma, Docker, Nginx

Combat Management System Junior Engineer — PT AGAT Netcentric, Indonesia | Nov 2024 – Present

- Develop combat management software using C++, Java, and the Qt framework for shipborne deployments.
- Implement PostgreSQL data management and storage for operational records.
- Customise the system so shipborne installations integrate with varied hardware and weapon systems.
- Conduct testing and debugging, and provide technical documentation for end users.

Stack: C++, Java, Qt, PostgreSQL

Procurement Engineer (Part-time) — Nextgen Innotech Solutions, Singapore | Dec 2025 – Apr 2026

- Procured electronic and optical equipment for research and defence-related programmes, including vendor sourcing and price negotiation.
- Managed international purchasing, overseas supplier coordination, and shipping documentation.
- Handled optical equipment procurement for PT PAL against technical specifications and quality standards.

Research and Development (Contract) — Aruna Indonesia, Indonesia | Oct 2022 – Jul 2023

- Built lobster monitoring software for the Amed sea farm, including real-time detection, tracking, and counting.
- Trained and evaluated YOLOv6, YOLOv7, and YOLOv8 models, and applied deep-learning image enhancement for underwater footage.
- Integrated the selected detection and enhancement models and presented results to stakeholders.

Stack: Python, PyTorch, YOLOv7, StrongSORT, Jetson

SELECTED PROJECTS

Hadith Hotel Management System — hotel operations platform

Reservations, front office, housekeeping, POS with cashier shifts, purchasing, warehouse, assets, invoicing, and night audit. Stock movements recorded as an immutable ledger; server-side permissions and audit log; printable operational documents.

Next.js, TypeScript, PostgreSQL, Drizzle ORM, MinIO, Playwright

Job Talentio — job portal and applicant tracking for the Uzbekistan market

Candidate, recruiter, and super-admin surfaces in Uzbek, Russian, and English. CV import with OCR, weighted candidate matching, hiring pipeline, Telegram sign-in and alerts, and Meilisearch-backed search.

Next.js, NestJS, PostgreSQL, Prisma, Redis, BullMQ, Meilisearch

EGI Optik Inventory System — inventory and asset ledger for a defence-optics company

Receiving, issuing, transfers, and stocktakes with serial and lot lifecycles, barcode scan workstation, calibration and document expiry tracking, and product and serial history views. Mobile-first installable PWA.

Next.js, PostgreSQL, Drizzle ORM, Better Auth, S3, PWA

Cari Kerja — multi-role job portal

Candidate and recruiter application, super-admin console, and modular Express API with Elasticsearch matching, CV parsing, chat, and staging CI/CD across three repositories.

Vue 3, React, Express, PostgreSQL, Elasticsearch, Redis, Socket.IO

7Oz Espresso — cafe website, staff dashboard, and Go API

Public site with menu, outlets, gallery, and reservations; admin dashboard for content, customers, loyalty, and staff; Go service with PostgreSQL migrations and Redis sessions behind nginx.

Next.js, Go Fiber, PostgreSQL, Redis, Docker, Turborepo

EDUCATION

Telkom University, Bandung — Bachelor's degree, Telecommunications Engineering | Aug 2019 – Sep 2023

- GPA 3.73 / 4.00 (cum laude).
- Final project: Smart Camera Lobster — real-time lobster monitoring and counting at the Aruna cultivation area, using YOLOv7 and StrongSORT.
- Coursework: Python, C, IoT, data analysis, machine learning, and computer networking with Cisco Packet Tracer.

CERTIFICATIONS AND TRAINING

Bangkit Academy (Google, Tokopedia, Gojek, Traveloka) — Machine Learning path | Feb 2022 – Jul 2022

- Completed the machine learning path and earned the TensorFlow Developer Certificate.
- Built an Android application that classifies Indonesian woven fabric images using TensorFlow.

Pijar Camp by Telkom Indonesia — Fullstack Web and Golang Developer | Mar 2024 – Jul 2024

- Completed a fullstack curriculum covering JavaScript, Go, React, Next.js, PostgreSQL, Tailwind CSS, Redux, and Agile Scrum.
- Delivered two individual portfolio projects and one team e-commerce project, owning the front end and the shopping-cart API.

LANGUAGES

English — professional working proficiency, TOEFL ITP 557 (B2). Indonesian — native.