Marco Abel Zefanya

Full-Stack Engineer

Jakarta, Indonesia | +62 812-9415-0023 | marcoabel25@gmail.com | LinkedIn | GitHub | Portfolio

SUMMARY

Full-Stack Engineer with 4+ years of combined experience across production software development and embedded software quality assurance, including nearly 2 years building B2B SaaS, AI and computer-vision systems, internal ERP applications, and industrial monitoring solutions. Experienced in delivering products end-to-end using TypeScript, Python, Next.js, Fastify, PostgreSQL, Redis, and Docker, covering application and API design, automation, CI/CD, deployment, and production reliability.

WORK EXPERIENCE

Satellyte **Jakarta, Indonesia**

Full-Stack Engineer *March 2026 – Present*

- Build an AI-powered B2B sales intelligence platform that transforms buying signals into scored leads.
- Develop Next.js dashboards and Fastify/BullMQ services that process 10+ buying-signal strategies.
- Build multi-provider enrichment workflows for identifying and scoring decision-makers.
- Implement browser automation using Playwright and Browserbase.
- Develop public REST APIs with authentication, credit metering, and rate limiting.
- Support production delivery using Docker, GitHub Actions, and GHCR.

PT Nexio Teknologi **Karawang, Indonesia**

Full-Stack Engineer *September 2025 – March 2026*

- Built and shipped three production systems spanning computer vision, AI recruitment, and industrial monitoring.
- Developed a Python computer-vision service using FastAPI, YOLO, OpenCV, and TensorRT to process three industrial camera feeds and grade palm fruit in real time.
- Built TypeScript APIs, databases, role-based access control, event delivery, and a Next.js operator dashboard for monitoring three production lines.
- Designed resilient data delivery using idempotency keys, local buffering, and batch synchronization for factories with unstable internet connectivity.
- Developed a multi-tenant AI recruitment platform covering AI CV screening, voice-based interviews, candidate pipelines, Stripe billing, and usage controls.
- Built a Docker-based monitoring pipeline using MQTT, Node-RED, TimescaleDB, Grafana, and a Telegram reporting bot.

PT Delta Anugrah **Jakarta, Indonesia**

Full-Stack Developer *August 2024 – August 2025*

- Developed an internal ERP platform connecting Sales, Purchasing, Inventory, and Production operations.
- Built responsive interfaces using Next.js, React, and TypeScript, supported by REST APIs developed with Node.js and Express.js.
- Designed data models using PostgreSQL for relational records and MongoDB for flexible document-based data.
- Collaborated directly with internal users to translate operational workflows into practical product features.

PT SYS Indonesia **Jakarta, Indonesia**
Software QA Engineer *September 2021 – November 2023*

- Performed white-box testing on embedded automotive transmission control software written in C.
- Achieved the required 100% test coverage across assigned software modules.
- Analyzed complex source-code paths and developed unit tests using winAMS according to internal and automotive engineering standards.
- Debugged discrepancies between expected and actual output and created Excel-based verification tools to cross-check test results.
- Produced traceable test cases, test results, coverage reports, and technical documentation for QA leadership.

SKILLS

Languages: Indonesian (Native) & English (Working Proficiency)
Programming Languages: TypeScript, JavaScript, Python, SQL, C
Frontend: React, React Native, Next.js, TanStack Query
Backend & APIs: Node.js, Express.js, Fastify, FastAPI, REST APIs, BullMQ
Databases: PostgreSQL, MongoDB, Redis, TimescaleDB
Infrastructure: Docker, GitHub Actions, GHCR, DigitalOcean, Cloudflare
Industrial & IoT: MQTT, Node-RED, Grafana, Raspberry Pi

EDUCATION

Hacktiv8 **Jakarta, Indonesia**
Full Stack JavaScript Immersive Program *March 2024 – July 2024*
Graduated with a Final Score of 94.2/100

Universitas Gunadarma **Jakarta, Indonesia**
Informatics Engineering (GPA 3.21/4.00) *2016 – 2020*

CERTIFICATIONS

Hacktiv8
(Transcript). *July 2024*
Certificate

TOEFL
Englishvit — TOEFL ITP-style Assessment (Score: 477) *November 2024*
Certificate