

MATTHEWS WONG

Software Engineer — DevOps & Infrastructure · ERP Systems · Web App Development

matthewswong2610@gmail.com · matthewswong.com · linkedin.com/in/matthewswong
github.com/MatthewsWongOfficial · Tangerang / Jakarta, Indonesia

SUMMARY

Software engineer with hands-on production experience across three domains: DevOps & cloud infrastructure (CI/CD pipelines, container orchestration, self-hosted Grafana/Prometheus/Loki observability), ERP systems (accounts payable/receivable workflows with hierarchical approvals), and web application development (React/Next.js products and commercial client sites). Currently a DevOps & Infrastructure Engineer at Commsult APAC and an Information Technology graduate from Swiss German University (CGPA 3.82 / 4.00). Comfortable owning a system end to end — from infrastructure and deployment to backend, frontend, and monitoring.

EXPERIENCE

DevOps & Infrastructure Engineer

Jul 2026 – Present

Commsult APAC — Tangerang, Indonesia

- Handle day-to-day deployments across multiple environments and maintain automation scripts that streamline operational workflows.
- Collaborate with development teams to keep release processes stable and efficient.

DevOps Engineer

Sep 2025 – Jun 2026

Commsult APAC — Tangerang, Indonesia

- Migrated services from public-IP architecture to load balancers, improving scalability and security posture.
- Integrated SonarQube into CI/CD pipelines to enforce code-quality gates and vulnerability checks.

DevOps Engineer (Intern)

Jan 2025 – Sep 2025

Commsult APAC — Tangerang, Indonesia

- Ensured uptime for German and Indonesian production websites with monitoring and uptime alerting.
- Monitored system performance in Grafana; configured an on-call system with escalation chains and phone alerts to developers.
- Worked with Ansible, Docker Swarm, and related infrastructure tooling.

Software Development Engineer in Test

Jul 2024 – Jan 2025

Commsult APAC — Tangerang, Indonesia

- Developed and executed automated UI tests with WebdriverIO, XPath selectors, and the Mocha framework.
- Integrated Allure reporting and designed reusable test scripts that cut test maintenance effort.

Data Scientist — Project-Based Virtual Intern (Rakamin Academy)

May 2024 – Jun 2024

id/x partners — Remote

- Built an XGBoost credit-risk classification model with SHAP explainability; conducted EDA and presented insights through data storytelling and visualization.

Mobile Apps Developer — Project-Based Virtual Intern (Rakamin Academy)

Jan 2024 – Feb 2024

PT Bank Mandiri (Persero) Tbk — Remote

- Developed Android features in Kotlin with RecyclerView, SQLite, and security/UI design patterns.

SELECTED PROJECTS

ANCoraPRO — ERP Accounts Payable/Receivable Module (Client: ANC)

Built AP/AR workflows with hierarchical approval chains and automated email notifications; reduced invoice approval turnaround from days to hours.

React, Vite, Material UI, NestJS, PostgreSQL, Google Cloud, Nginx

AI Gym Bro — SaaS Product (aigymbro.web.id, live)

Designed, built, and operate an AI workout-coach web app end to end: product, infrastructure, and deployment.

Next.js, Groq LLM API, Vercel

Personal Portfolio Infrastructure (matthewswong.com)

Diagnosed and fixed a Vercel origin-transfer overage: moved 495 pages to static prerendering and cut the i18n payload 95%, reducing origin transfer by more than 90%; self-instrumented with analytics and a monitoring stack.

Next.js App Router, next-intl, Tailwind CSS, Vercel

Observer KPU — AI Election Information Platform

LLM-powered chatbot aggregating verified information during the 2024 Indonesian general election; presented at SGU IT Symposium 2024.

Next.js, Python, web scraping, LLM

Developer Tools — Review CI & AI Feeds

Review CI analyzes CI/CD pipelines for slow and flaky stages; AI Feeds is a curated AI-repository feed built as an installable PWA.

Next.js, Node.js, TypeScript

Commercial Client Websites (5)

Delivered and maintain production websites for Indonesian businesses — Jakarta Intl Denso, Parcel Cirebon, TikTok Agency Incubator, Shibui Matcha Bar, MPilates — covering local SEO, e-commerce, and campaign platforms.

Next.js, React, Tailwind CSS, SEO

EDUCATION

Bachelor of Information Technology

CGPA 3.82 / 4.00

Swiss German University — Tangerang, Indonesia

CERTIFICATIONS

- DevOps Professional Certificate — PagerDuty & LinkedIn Learning
- AWS Academy Cloud Foundations — AWS Academy
- Network Defense Essentials — EC-Council
- Ethical Hacking Essentials — EC-Council
- SQL (Advanced) — HackerRank
- Cybersecurity Awareness Professional — Certiprof

SKILLS

- **DevOps & Cloud:** Docker, Docker Swarm, Kubernetes, Ansible, Terraform, GitHub Actions, SonarQube, Grafana, Prometheus, Loki, Nginx, Linux, GCP, AWS
- **Backend & ERP:** Node.js, NestJS, PostgreSQL, Redis, REST APIs, approval-workflow design
- **Frontend:** React, Next.js, TypeScript, Tailwind CSS, React Native
- **Testing & Data:** WebdriverIO, Mocha, Allure, Python, XGBoost, SQL
- **Languages:** English (professional), Indonesian (native)