

Ksatria Bintang Samudra

Product Engineer — Mining & Vertical SaaS | Flutter · Laravel · PostgreSQL · Next.js

Pontianak, Indonesia | +62 852-6440-2640 | hello@ksatriabintangsamudra.com

linkedin.com/in/ksatriabintangsamudra · github.com/Ksatriabintang · ksatriabintangsamudra.com

SUMMARY

AI-augmented solo product engineer with 18 months inside mining-sector IT, now building software for mining and telecom operators. I own the domain and architecture, drive AI tooling through implementation, and verify what ships. Sole developer of CoalTrack — a Flutter app, a Laravel 12 / PostgreSQL 16 API, and an Indonesian statutory payroll engine — shipped to Apple TestFlight and Google Play closed testing. Since 2024 the same specify-build-verify loop has taken me across five stacks, each learned on a live deadline.

EXPERIENCE

Founder & Sole Developer — CoalTrack, Attendance & Payroll for Coal Mining

Independent product · Remote · Jul 2026 – Present · coaltrack.id · demo.coaltrack.id

- Sole author across 236 commits: Flutter Android/iOS client, Laravel 12 + PostgreSQL 16 API, Filament/Vue 3 admin, and a Cloudflare Worker mail relay.
- Indonesian statutory payroll to cited regulation (PPh21 TER, BPJS with mining risk-class caps, Kepmenaker 102/2004 overtime) plus bank-ready CSV/PDF transfer files — money never moves through the app.
- Payroll computed identically on server (PHP) and handset (Dart), cross-verified by mirrored tests; append-only audit trail enforced by PostgreSQL triggers.
- Anti-fraud attendance (real GPS, mock-location detection, server-authoritative time); solo release line on Codemagic CI with 400+ tests, TestFlight-validated iOS + Android, and a 7-language UI.

Systems Developer — Rimba Raya (Internet Service Provider)

Remote · Mar 2026 – Present

- Built and operate five internal systems for a live ISP: operations portal, barcode inventory (2FA), payslip generator, employee-data intake, and a public showcase.
- Operations portal in Vue 3 + Supabase/PostgreSQL with 46 production migrations — row-level security, a universal audit table, role/region access and Leaflet mapping.
- Integrated RADIUS/MikroTik provisioning, QRIS billing and WhatsApp notifications; root-caused and fixed live performance, data-loss and VPS-outage incidents.

Founder — Luxavero LLC (Wyoming, USA) · luxavero.net

Remote · Aug 2026 – Present

- Founded a US single-member LLC as the home for my products and client work.
- Ship and run Lavelle (wedding-invitation platform with per-couple subdomains) and Venmail (privacy-first temporary inbox with a developer API) — owning every layer, front end to DNS and mail.

IT Systems & Google Workspace Administrator — Kalimantan Tambang Mandiri

Remote · Mining sector · Sep 2024 – Mar 2026

- Administered enterprise Google Workspace across multiple domains: identity, access, mail routing and storage.
- Built scripted backup/disaster-recovery routines and automation for user provisioning, groups and audit reporting.

Freelance Penetration Tester — Upwork

Remote · International clients · Jul 2023 – Jan 2024

- Black-box and gray-box web-app assessments (injection, broken auth, access-control, business logic) with OWASP-aligned remediation reports.

Social Media Data Analyst — Upwork

Remote · May 2020 – Mar 2022

- Cross-platform analytics (Instagram, TikTok, Twitter) informing content strategy for international clients.

SELECTED PROJECTS

Vensix — OpenAI-Compatible AI Gateway · FastAPI · vensix.biz.id · One API key routes to Claude, GPT, Gemini, DeepSeek and Kimi with live cost metering and QRIS top-ups.

Makmur Motor — Car Showroom Platform · Next.js 15, Cloudflare Workers, D1, KV · Showroom + admin panel for a Denpasar dealership, running on the edge.

Kiloan — Android POS for Laundry · Flutter · Subscription point-of-sale app; second shipped Flutter product after CoalTrack.

DevSec Toolbox · JavaScript, zero backend · devsec.ksatriabintangsamudra.com · 34 developer & security tools running entirely in the browser.

Phishing Forensics · Published forensic dissection of a live Indonesian phishing campaign, documenting its infrastructure for defenders.

TECHNICAL SKILLS

Mobile: Flutter, Dart, Riverpod, Android/iOS release engineering, Play Console, App Store Connect, TestFlight

Backend: Laravel 12, PHP, Node.js, FastAPI, REST API design

Data: PostgreSQL, Supabase, MySQL, MongoDB, Firebase, SQL migrations, row-level security

Frontend: Vue 3, React, Next.js, Astro, TypeScript, Tailwind CSS

Infra: Docker, Linux, Cloudflare (DNS, Workers, Pages, Email Routing), Codemagic CI, Git

Security: OWASP Top 10, penetration testing, Burp Suite, rate limiting, 2FA, secrets management

Integrations: QRIS payments, bank transfer files, RADIUS/MikroTik, WhatsApp Business, SMTP/DKIM

AI practice: Specification-driven prompting, multi-agent workflows, adversarial review of generated code, LLM API integration

CERTIFICATIONS & EDUCATION

- **Google AI Essentials** — Google / Coursera, Jul 2024 · coursera.org/verify/2SR5DJZ8JYPZ
- **ISC2 Certified in Cybersecurity** — course pre-assessment completed · **Ethical Hacking** · **Expert Linux** · **Python** — MindLuster, Jul 2024
- **STIE Anindya Guna Semarang** — Bachelor of Management (in progress, expected Nov–Dec 2027)
- **Languages:** Indonesian (native) · English (professional working proficiency)