YUTAMA BUDIMAN

Senior Software Engineer | Mobile & Full-Stack (Flutter, React/Next.js, Node.js)

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SUMMARY

Software engineer with 4+ years building web and mobile apps. At SafeGauge I look after the Flutter apps our field engineers use with our Bluetooth sensors, from the code through to every App Store and Play Store release, and I own the full software platform, from architecture and data model to code standards and hiring. Before that I built React, Next.js, Vue.js and Drupal sites at two Sydney agencies, including government work. I finished a Master of Cybersecurity at UNSW in 2026, so security is part of how I build. I am used to picking up codebases I did not write: I took over SafeGauge's apps and pipelines and a vendor's Odoo ERP system, and decompiled a third-party SDK to fix a bug its docs got wrong.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Dart, Python, PHP, SQL
Mobile: Flutter (BLoC), BLE, Insta360 SDK, React Native / Expo, RevenueCat, App Store & Play Store release
Web & Backend: React, Next.js, Vue.js, Nuxt.js, Angular, Node.js, Express, GraphQL / Apollo, REST, Odoo, Drupal, Tailwind CSS
Cloud & DevOps: AWS (Amplify, AppSync, Cognito, DynamoDB, S3, Lambda), GCP (Cloud Run, Vision API), Vercel, Azure (familiar), Docker, GitHub Actions
Data: PostgreSQL, MySQL, DynamoDB, Supabase, Firebase, Pinecone
AI: OpenAI and Claude APIs, RAG, MCP, multi-agent orchestration
Security & Observability: Essential Eight, penetration testing (eJPT), Splunk SIEM, Elastic Stack, logging and monitoring
Practices: TDD, clean architecture, code review, CI/CD, Essential Eight, technical hiring

EXPERIENCE

SafeGauge – Software Engineer | Beresfield, NSW **Mar 2025 – Present**

- Own the software architecture and database design across all SafeGauge apps and pipelines.
- Set the team's code standards, code review process and release workflow.
- Lead development of the Flutter apps for iOS, Android and the enterprise tablets.
- Run engineering hiring: design the take-home and live-coding assessments and score candidates.
- Good Design Award 2026 for two SafeGauge products, MultiTool Pro and the flow meter; I build the tablet app behind MultiTool Pro.
- Built a shared BLE sensor SDK that moved device code out of each app into one package, and led the OTA firmware update process.
- Integrated the Insta360 camera SDK (live 360 view, recording, saving). When a zoom bug came in from the field and the vendor docs were wrong, I decompiled the SDK to find the fix.
- Moved subscription billing from Chargebee to RevenueCat; now scoping B2B licensing for a 200-seat mining customer.
- Locked down the Android tablet fleet: turned off Auto Backup data exposure, checked S3 for open access, sent all outbound email through one logged service, and built the Samsung Knox network allowlist from the actual app code.
- Run every iOS and Android release (GitHub Actions, signing, TestFlight, Play Store). Fixed a production incident that stopped field engineers from getting their calibration data.
- Moved the Flutter apps to clean architecture, and wrote the proposal and effort plan for merging two apps into one codebase.
- Set up the team's technical hiring (take-home, live tasks, scoring rubric) and built the onboarding docs site for new engineers (Next.js / Nextra on AWS Amplify).
- Built a RAG support chatbot with Pinecone and OpenAI.

Technologies: Flutter, Dart, BLE, Insta360 SDK, AWS Amplify (AppSync, DynamoDB, S3, Cognito), RevenueCat, GitHub Actions, Pinecone, OpenAI

Icon Agency – Full-Stack Developer | Sydney, NSW **Mar 2024 – Mar 2025**

- Built and maintained Drupal (PHP) backends and Vue.js / TypeScript front ends for government and enterprise websites.
- Implemented Essential Eight Maturity Level Two controls for the Australian Government Consumer Data Right (CDR) website.
- Built shared Vue.js components used across client projects, working in sprints with product, design and QA.

Technologies: Drupal, PHP, Vue.js, TypeScript, Docker, AWS

The Being Group – Full-Stack Developer | Sydney, NSW **Oct 2022 – Mar 2024**

- Built full-stack web applications with React, Next.js, Gatsby, PHP and MySQL.
- Added automated testing to CI/CD and worked with the security team on vulnerability remediation, contributing to Cyber Essentials Plus certification.

Technologies: React, Next.js, Gatsby, TypeScript, PHP, MySQL

Liquimech Group – Software Engineer Intern | Perth, WA **Jul 2022 – Oct 2022**

- Built internal automation tooling for engineering workflows in React and Python.

Freelance – Web Developer | Sydney, NSW **May 2015 – Jun 2017**

- Built an eCommerce platform from scratch (custom CMS, cart, authentication, payments, mailing) and Laravel / CodeIgniter systems for 5+ clients.

KEY PROJECTS

Odoo ERP for a wholesale supplier – *Contract*
Took over an Odoo ERP system from the vendor and built custom modules for pricing bands, customer credit limits and a manager approval step before below-range invoices go out (26 unit tests, in production). Automated purchase-to-sale between two trading companies and planned the Odoo 17 to 19 upgrade.

Beeez – AI-powered safety data sheet platform – *Co-founder & sole developer · live on the App Store*
Multi-tenant SaaS with role-based access, Stripe subscriptions and a GraphQL / Apollo API on Cloud Run; Google Cloud Vision and OpenAI extract data from scanned documents. React Native / Expo with EAS builds and OTA updates.

Share the Day – multi-tenant event platform – *Co-founder*
Next.js SaaS for weddings and civic events: per-tenant invites, RSVP, QR check-in, guest photo capture and a kiosk slideshow. Redesigned the guest model to de-duplicate on email and wrote the migration that merged existing duplicates.

Multi-agent development pipeline – *Internal tooling*
A setup where Claude writes code and OpenAI Codex reviews it (and the other way round) in parallel git worktrees, with checks on the diff, tests and review before anything merges.

Trip Itinerary – collaborative travel planner – *Side project*
React Native / Expo app on Supabase: shared trips, day planning with place voting, chat and a shared gallery, enforced by row-level security; custom native camera module gated on an on-device frame-rate and thermal test.

RAG chatbot – business automation – *Side project*
Q&A over a business's internal knowledge with chat history, out-of-context rejection and an updatable knowledge base, behind a Node.js middleware that protects API keys and logs usage (OpenAI, Pinecone, PostgreSQL).

EDUCATION

Master of Cybersecurity (Security Engineering), University of New South Wales (UNSW) — **Mar 2026**
Bachelor of Information Technology (Network and System Computing), Victoria University — **May 2022**
Bachelor of Information Technology (Software Development), Bunda Mulia University — **Mar 2016**

CERTIFICATIONS

- eJPT – eLearnSecurity Junior Penetration Tester (INE), 2023
- Certified in Cybersecurity (CC) – ISC2, 2023