TUNGGAL WIGATI

Senior Software Engineer
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10+ years in software development • Full-stack across FE/BE/DevOps/QA • 5+ Japanese enterprise clients delivered

SUMMARY

Senior Software Engineer with 10+ years of experience in web development. Core expertise is in frontend development (React, Angular, Vue.js); over the past 1-2 years, hands-on AI-assisted learning has let me take on backend development, DevOps, workflow automation (n8n), and QA automation (Playwright) as well — now covering the full stack end-to-end rather than relying solely on a frontend specialist role. Experienced delivering production applications for enterprise and international clients, including several Japanese brands, across identity/authentication systems, marketing automation tools, and e-commerce/ marketplace platforms.

TECHNICAL SKILLS

Frontend: React, Angular, Vue.js + Nuxt, JavaScript, TypeScript, HTML/CSS, Bootstrap, Tailwind, CVA, Storybook
Backend: Node.js + Express, NestJS, Prisma, RESTful APIs; Django + Python, ASP.NET, PHP (early career)
Database: MySQL, PostgreSQL, MongoDB, Supabase
DevOps & Automation: AWS (S3, CloudFront, Route 53, ECS), GCP Cloud Run, CI/CD (GitLab, GitHub Actions), Playwright (QA Automation), n8n workflows
Integration: Auth0, OIDC, Firebase Cloud Messaging, Web3 (basic)
Also familiar with (basic): Flutter, Angular-Ionic (mobile), WordPress + Genesis Framework
Tools: Jira, ActiveCollab, SourceTree, Trello, GitKraken, Git

PROFESSIONAL EXPERIENCE

Senior Software Engineer — UPBOND Inc *(Remote – Tokyo, Japan)* *2021 – Present (5 yrs 6 mos)*

Senior Software Engineer covering the full stack of Upbond's core identity platform (Login 3.0) — FE, BE, DevOps, and QA automation. Own the login/consent UI system end-to-end, the platform's E2E test coverage, and its deployment infrastructure, and lead technical integrations for Japanese enterprise clients. Started in frontend and expanded scope significantly through hands-on, AI-assisted learning over the past 1-2 years.

Core Platform

- **Login/Consent UI System —** Own the basic-mode and custom-UI system (login, OTP, consent) and handle bug fixes across the frontend and backend. (Node.js, Express, oidc-provider, MongoDB, AWS ECS, React, Redux)
- **Client Dashboard —** Built parts of the internal dashboard (Next.js, TypeScript, MongoDB, Auth0) managing OAuth clients, cross-environment accounts, and custom login templates — feeds directly into production.
- **E2E Test Automation —** Wrote and maintain the Playwright/TypeScript E2E suite — auth flows, wallet/identity checks — run in parallel across multiple browsers as part of the release gate.
- **Deployment Infrastructure —** Set up AWS deployment infra (S3, CloudFront, Route 53) wired to GitHub Actions for auto-deploy, and documented it for the team.
- **Upbond Connect —** Built the frontend for a microfrontend marketing tool (Angular + React), including a LINE-triggered campaign flow with a dynamic form builder.

Client Projects

- **APA Hotel / MIMARU Hotel** — Digital check-in: passport OCR + face verification (Azure OpenAI GPT-4o, AWS Rekognition/ Azure Face), plus an n8n pre-checkin messaging workflow via WhatsApp/email.
- **CHM Mimaru** — Member MyPage portal (profile, points, reservations) and multilingual (ja/en/zh) custom-UI auth pages.
- **Seiko** — Auth0-based login integration and custom UI for Grand Seiko ID.
- **Hankyu Hanshin** Department Stores — VIP membership card and digital-stamp discount app (React, Redux Persist).
- **Wako Ginza & Botejyu** — Membership/login integrations via Auth0 and LINE LIFF, connected to Login 3.0's auth system.
- **Asobi Citypop** — Web3 wallet login and NFT character viewing/claim features.
- **Idear Schools** — Kids' digital art platform with OpenSea integration for minting/selling artwork, plus a globe visualization pinning artwork by location (React, Three.js).

Frontend Developer — Freelance Projects *2025 (5 mos)*

- **ARUI —** React UI component library (CVA + Tailwind) documented in Storybook, providing reusable components from atoms to complex structures to streamline development across projects.

Frontend Developer (Freelance) — Ogya Tekno Nusantara *(Remote)* *2022 – 2023 (1 yr 2 mos)*

Built the frontend for BCA (Bank Central Asia)'s ATM accessories procurement and approval system, digitizing a workflow that previously ran through manual coordination between field teams and managers.

- **Oase ATM Touchpoint —** Procurement and task management platform for ATM accessories covering installation, replacement, repair, and recondition requests. Implemented a tiered approval workflow (user → supervisor → manager) with task assignment and real-time progress tracking per submission. (React, Redux, Chart.js)

Frontend Engineer — Glovory *(On-site – Malang, Indonesia)* *2019 – 2021 (2 yrs 1 mos)*

Owned frontend architecture for restaurant management, marketplace operations, and social media marketing products, while introducing the team's first CI/CD pipeline for automated deployments.

- **Shami Restaurant —** Sole frontend developer (100% ownership) for a restaurant admin app built for a Saudi Arabian client, covering menu management, customers, banner/coupon promotions, loyalty programs, FCM push notifications, and reporting (document and chart form). (Angular, TypeScript, Nebular)
- **Freshkom —** Back-office admin app for a fresh produce marketplace, handling buyer/seller management, master products, order lists, and reporting. (Angular, TypeScript, Nebular)
- **Anytag —** Social media marketing tool for scheduling and distributing product/service promotions; originally Angular, later rebuilt in Vue.js + Nuxt.
- **First CI/CD Pipeline —** Initiated and implemented the team's first CI/CD pipeline (auto-deploy on merge), eliminating manual deployment steps.

Frontend Engineer & Lead Projects — Pt. Visionet Data International *(On-site – Malang, Indonesia)* *2017 – 2019 (2 yrs 1 mos)*

Led frontend architecture for Engine3 Projects, Visionet's property-sales product suite, delivering booking, management, and HR systems for real estate clients including Meikarta and Lippo Homes.

- **Engine3 Sales Web** (client: Meikarta) — Sales booking portal for residential towers and clusters at Meikarta and Green Cocoland. Built a multidimensional-array rendering system for the interactive unit availability grid. (Angular 5 ABP, C#, SQL Server)
- **Engine3 Propsys** (client: Lippo Homes) — Property management system covering unit settings (availability, pricing, status), project management, role-based access, and reporting, including PSAS, a one-screen booking-summary view.
- **Engine3 Personal** (client: Lippo Homes) — HRIS for managing employee information (personal/contact details, bank accounts, ID numbers, documents, 360° employee view).

Full Stack Engineer — 3PM Solution *(On-site – Malang, Indonesia)* *2014 – 2017 (3 yrs 5 mos)*

Built desktop and web systems spanning retail operations, spare parts sales, education, and B2B approval workflows.

- **Desktop Applications (VB.NET) —** Built systems for purchasing, POS/cashier, and restaurant operations, digitizing transaction and stock-tracking processes that were previously manual.
- **Astra Honda Motor** sales app — Spare-parts sales platform with real-time chat/websocket, customer and inventory management. (Angular, Django, MySQL/MsSQL Server)
- **Class Schedule Generator —** School timetable generator for subjects, teachers, and classes with per-day filtering. (Angular 4, Django, MsSQL)
- **Discount Proposal (PT. SNA) —** Discount-proposal submission app for medical device orders, with a multi-level sales-to-manager approval workflow. (Angular 2, Django, MySQL)
- **E-commerce (Jane Shop) & Marin Airporter —** WordPress/WooCommerce storefront and a bus route/ticketing site. (WordPress, Genesis Framework)

PERSONAL & AI-ASSISTED PROJECTS

- **Gawakno —** Multi-service app for ride-hailing, food delivery, and shopping with driver/customer/merchant/admin roles; hybrid free-tier mapping stack (Leaflet, Mapbox, Google Places, OpenStreetMap). (Next.js, TypeScript, Tailwind, Supabase, FCM)
- **Ketikjadi —** AI tool that generates a complete website from a text prompt using Google Gemini. (Next.js, Tailwind, Prisma/Supabase, Firebase Auth)
- **Kueku —** Business management app for a personal bakery, covering recipes, ingredient master data, HPP costing, and orders. (React, TypeScript, Tailwind, Supabase)

EDUCATION

Information Technology, Diploma II 2011 – 2013

State University of Malang — GPA 3.83

Languages: Bahasa Indonesia (Fluent), English (Conversational)