

NICHOLAS FORTUNE

Full Stack Engineer

Tangerang, Indonesia | +(62) 877-4102-9000 | nfortune03@gmail.com

PROFESSIONAL SUMMARY

Full Stack Engineer with 4+ years of experience building scalable web, mobile, CRM, and operational systems. Strong across frontend, backend, mobile, database, cloud deployment, system architecture, and agile delivery. Experienced leading engineering teams, mentoring junior developers, modernizing legacy systems, and shipping real-time product workflows with clean, maintainable code.

TECHNICAL SKILLS

Frontend: React, Next.js, Vue.js, JavaScript, TypeScript, Tailwind CSS, Material UI, Ant Design Vue, Vite, Micro-Frontend, Module Federation

Backend: Node.js, Express.js, NestJS, Golang, Gin, REST APIs, Clean Architecture

Database and Cloud: PostgreSQL, PocketBase, CouchDB, Google Cloud Platform, Docker

Mobile and Desktop: React Native, CapacitorJS, Electron

Realtime and Integrations: Server-Sent Events, Socket, Firebase Cloud Messaging, Xendit API, WhatsApp API, JWT, OAuth

Tools and Process: GitHub, GitLab, Agile, Scrum, Cypress, Notion, Trello, AI-assisted development with Codex, GPT, and Gemini

PROFESSIONAL EXPERIENCE

Frontend Developer | PLN Icon Plus | Jakarta, Indonesia

October 2025 - Present

- Revamped internal CRM applications to improve usability, UI consistency, performance, and maintainability across high-traffic enterprise platforms.
- Implemented and maintained micro-frontend architecture with Module Federation to support independent delivery of AP2T, ACMT, RTR, CRM, metering, route management, and reporting modules.
- Built reusable Vue 3, TypeScript, Vite, Tailwind CSS, and Ant Design Vue components and standardized frontend patterns across feature teams.
- Integrated REST APIs, JWT bearer token flows, authorized media fetching, and production debugging workflows for operational users.
- Collaborated with backend, UI/UX, product, and business stakeholders to convert enterprise requirements into performant user interfaces.

Tech: Vue 3, TypeScript, Vite, Tailwind CSS, Ant Design Vue, REST API, PostgreSQL, JWT, Module Federation, Git, Agile Scrum

Lead Fullstack Engineer | Amani Group Indonesia | Jakarta, Indonesia

September 2024 - September 2025

- Led end-to-end development of Real Estate Management, Amani Sales Agent, Amani Supplier, and Amani Contractor platforms for property and construction operations.
- Architected typed frontend and backend systems using Next.js, TypeScript, Express.js, NestJS, Golang, PostgreSQL, Material UI, and Google Cloud Platform.
- Implemented Server-Sent Events for real-time authentication, status monitoring, payment, order, and material tracking workflows.
- Applied clean architecture patterns across repository, use case, controller, and service layers to improve maintainability and team delivery speed.
- Integrated Xendit payment flows and contractor-facing e-commerce features for construction material ordering.

Tech: Next.js, React, TypeScript, Express.js, NestJS, Golang, Gin, PostgreSQL, TanStack Query, SSE, Material UI, GCP, Xendit

Lead Fullstack Engineer | HappyHomes | Jakarta, Indonesia

September 2023 - September 2024

- Led development of a property CRM for sales, house booking, order management, customer tracking, and payment monitoring.
- Built responsive frontend and backend architecture with React, Express.js, PostgreSQL, PocketBase, TanStack Query, and Material UI.
- Implemented Server-Sent Events for real-time payment tracking to reduce conflicting transactions and improve data accuracy.
- Maintained and enhanced a React Native quality-control mobile app for on-site construction verification, photo capture, and inspection workflows.
- Managed Google Cloud Platform deployment and backend REST APIs for reliable daily operations.

Tech: React, React Native, TypeScript, Express.js, PostgreSQL, PocketBase, TanStack Query, SSE, Material UI, GCP, Xendit

Fullstack Engineer | Marketa Technology Indonesia | Jakarta, Indonesia

June 2022 - September 2023

- Developed frontend and backend architecture for a CRM system serving property sales and customer support teams.
- Built chat-based lead tracking, customer profiling, and WhatsApp API communication workflows.
- Integrated Firebase Cloud Messaging for real-time push notifications across web and mobile usage.
- Converted the web application into cross-platform mobile and desktop experiences using CapacitorJS and Electron.

Tech: Vue 2, JavaScript, Vuex, Vuetify, Express.js, Socket, PostgreSQL, Firebase, CapacitorJS, Electron, GCP

Frontend Engineer | Growth and Wealth Capital | Jakarta, Indonesia

September 2021 - June 2022

- Developed responsive CRM interfaces using Vue 2, Vuex, Vuetify, Tailwind CSS, and JavaScript.
- Collaborated with cross-functional teams to translate product requirements into maintainable frontend features.
- Integrated WhatsApp third-party API workflows into a web-based CRM application for sales communication.
- Improved application performance through code reviews, debugging, and maintainable UI implementation practices.

Tech: Vue 2, JavaScript, Vuex, Vuetify, Tailwind CSS, WhatsApp API

SELECTED PROJECTS

Real Estate Management System

- Built a property developer platform for land acquisition, permits, housing license tracking, construction progress, procurement, dashboards, and real-time status monitoring.

Tech: Next.js, Express.js, TypeScript, PostgreSQL, SSE, GCP

Amani Contractor and Supplier Platforms

- Created contractor-facing purchasing and internal material inventory systems for construction material catalog management, ordering, logistics, and real-time tracking.

Tech: Next.js, NestJS, Golang, PostgreSQL, Material UI, Xendit, SSE

HappyHomes CRM

- Developed order management, customer tracking, transaction history, dashboard visualization, and real-time payment tracking for property sales operations.

Tech: React, Express.js, PostgreSQL, TanStack Query, SSE, PocketBase

QC Mobile App

- Built and maintained a mobile app for on-site construction quality checks, photographic verification, and backend inspection data processing.

Tech: React Native, TypeScript, Express.js, PostgreSQL, GCP

Marketa Chat

- Built a CRM communication platform with chat-based sales support, Firebase push notifications, WhatsApp API integration, and cross-platform delivery.

Tech: Vue 2, Express.js, Socket, Firebase, CapacitorJS, PostgreSQL

EDUCATION AND CERTIFICATIONS

- Hacktiv8 - Full Stack JavaScript Immersive Certification, June 2021 - September 2021
- Bonavita Senior High School, Multimedia, Tangerang, July 2018 - June 2021

ACHIEVEMENTS

- Engineered an ETL pipeline to migrate data from PocketBase to PostgreSQL while preserving data integrity and improving cloud resource utilization.
- Introduced scalable micro-frontend architecture for enterprise internal platforms, enabling independently deployable modules and cleaner ownership boundaries.
- Architected Server-Sent Events workflows for real-time payment and material tracking, reducing transaction conflicts and improving operational consistency.
- Led cross-functional engineering teams, mentored junior developers, and established clean code practices for web and mobile delivery.