Alvin Triseptia Mairis

Full Stack Software Engineer | Open to Relocation

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Professional Summary

Software engineer delivering SmartThings and retail platforms with strong frontend expertise. Builds TypeScript applications, backend APIs, and relational databases.

Technical Skills

Frontend: TypeScript, JavaScript, React, Next.js, Lit, Nuxt 3, HTML, CSS, Zustand, Redux
Backend and data: Node.js, NestJS, Express.js, REST APIs, PostgreSQL, MySQL, SQL, Knex, Zod
Testing and delivery: Vitest, Jest, Playwright, Vite, Docker Compose, GitHub Actions, Linux

Professional Experience

Software Engineer | Samsung Research Indonesia May 2024 - Present

- Build and maintain four global SmartThings WebView plugins serving hundreds of thousands of users, integrating REST APIs and native-device capabilities; reduced requests for an Air Care two-day chart from 25 to 5.
- Migrated two plugin projects from Webpack to Vite and built embedded live-reload tooling, reducing the development loop from approximately 90 seconds to 1-2 seconds after the initial build and sideload.
- Rewrote Virtual Home from JavaScript to TypeScript using Lit and MVC separation; shared UI business logic across two Find components to keep state and behavior consistent.
- Added unit tests for application state and business logic using Vitest and Jest; implemented screen-reader support, focus management, and responsive layouts across phones, tablets, and foldables.

Freelance Software Engineer | Independent Clients (Part-time) Feb 2024 - Present

- Own a retail platform spanning Kotlin/Jetpack Compose point-of-sale apps, React administration, Express.js/Knex APIs, MySQL, and Linux/Nginx deployment across 10 stores and one central warehouse.
- Implemented offline sales, idempotent requests, database transactions, and role-based access for approximately 1,000 daily transactions and 300,000+ completed sales; connected warehouse, distribution, inventory, sales, and reporting workflows.
- Built Nuxt 3 tax workflows with Keycloak single sign-on for approximately 50 operational users, covering employee-tax calculations for around 500 employees, organizational access, PDF documents, and multi-step approvals.

Software Engineer | Fedora Cakra Informatika Oct 2023 - Jan 2024

- Developed reusable medical assessments, SATUSEHAT-aligned electronic medical records, and pharmacy workflows using CodeIgniter 4, PHP, and MySQL; integrated Jitsi Meet telemedicine and real-time operational updates.

Software Engineer Intern | Telkomsel Jan 2023 - Feb 2023

- Delivered a full-stack RAN activity-tracking application in approximately three weeks using Vue.js, Element Plus, PHP, and MySQL; designed UI flows and documented workflows with VuePress.

Flutter Developer | KodingWorks Jul 2022 - Jan 2023

- Developed Flutter/Dart Android features with GetX and BLoC, integrating REST APIs, chat, ordering, and real-time updates; completed a client API integration within a one-month probation deadline.

Education and Recognition

Bachelor of Informatics (S.Kom) | Diponegoro University Sep 2020 - Mar 2024

GPA 3.96/4.00 | Dean Award recipient
Employee of the Quarter, Q3 2025 | Samsung Research Indonesia