

Carvel Saputra Martaloho

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Professional Experience

Hitachi – Fullstack Engineer

Sep 2025 – Present

PT Hitachi Channel Solutions Indonesia is committed to shape a secure and sustainable future by establishing a connected financial and technological ecosystem that empowers people, businesses, and society.

- Successfully built and deployed a FrankenPHP static compiler, enabling a self-contained PHP runtime optimized for Docker and high-performance environments. This setup streamlined build pipelines and reduced image size significantly.
- Designed and initiated Streamlined monitoring operations by consolidating multiple legacy applications into a single, high-performance interface, improving system oversight and data consistency.
- Developed a cross-platform User Management module, enabling centralized authentication and granular role management for four interconnected applications.
- Designed and initiated a 'from - scratch' terminal management solution, centralizing EDC diagnostics and monitoring into a unified SaaS platform.

Bank Tabungan Negara – Fullstack Engineer

Okt 2024 – Sep 2025

BTN is licensed and supervised by the Financial Services Authority (OJK) & Bank Indonesia and is a member of the Deposit Insurance Corporation (LPS) guarantee.

- Designed and implemented custom components from scratch based on detailed UI/UX mockups.
- Successful Refactoring of outdated systems. The project involved optimizing performance, and ensuring that the application was more modular and easier to maintain.

Gradana - Fullstack Engineer

Aug 2022 – Sep 2024

Property fintech pioneer in Southeast Asia | Licensed & Monitored by Indonesia's Financial Services Authority (OJK).

- Successfully developed and launched the Agent App, streamlining the loan lead process and simplifying finance tracking by digitizing lead submissions from agents and simplifying the finance team's management of lead claim requests.
- Achieved a 50% improvement in reporting accuracy by enhancing a key feature in the monthly data report to the Financial Services Authority (Otoritas Jasa Keuangan), incorporating detailed disbursement information of borrowers segmented by various statuses such as province and loan status..
- Achieved a 90% credit report accuracy through successful development and integration of CLIK, a credit bureau.
- Collaborated with cross-functional teams to tackle critical tasks and solve key challenges across Gradana services.

Unusual Dope – Frontend Engineer

Mar 2022 – Jul 2022

A web development company that takes pride in delivering top-quality websites and apps to his customers.

- Developed a web app for checking the availability of pictures using the Depositphotos API.
- Performed maintenance and added customization features to the front page for selling pictures.

Smart Integrated System – Fullstack Engineer

Nov 2018 – Jun 2020

Smart Integrated System is a Palembang-based company specializing in software and hardware development.

- Developed a national history e-learning system for high schools with innovative features, which is now utilized by prestigious high schools.

Education

Universitas Multi Data Palembang - B. Eng in Informatics

Oktober 2018 - May 2022

- CGPA: 3.71/4.00

Projects & Achievements

Semi Finalist in Techporia 2020

Created "Dapur Pintar," a web app that simplifies ordering kitchen goods. I contributed as a frontend developer using Nuxt and Vuetify.

Mozza Dental Clinic 2021

Developed and digitized a dental clinic information system using Vuetify and Nuxt.js to manage patients, real-time patient queues with Socket.io, medical records, and payments.

Skills

Languages: Typescript, Javascript, SQL, NoSQL

Technologies: Nest.js, Express.js, Vue.js, Nuxt.js, mongoDB, MySQL, Github, Postman, Figma

Skills: Redis, Docker