

ZEIN HAMMAD MARHABAH

Software Engineer

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WEBSITES AND SOCIAL LINKS

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Personal Website: <https://zeinhm.dev>

ZENITH Automated Binance Futures Trading: <https://zenithbot.org>

SUMMARY

Frontend Engineer with 7 years of experience specializing in Typescript, React.js and Next.js. Passionate about building high-performance web applications, make an automations, optimizing UI/UX, and collaborating with cross-functional teams to deliver scalable digital solutions.

EXPERIENCE

❖ Senior Web Engineer (Contract), PT Ajaib Sekuritas Asia Mar 2026 — Jun 2026
Jakarta

OJK-licensed securities brokerage under Ajaib Group, one of Southeast Asia's first fintech investment unicorns.

- Independently delivered 5+ operator-facing features across Primary Bonds, US Stocks, and Mutual Funds domains including SID Generation, Alpaca Money Movement and MF Processing Flow. Reducing manual ops effort on regulated financial workflows.
- Built customer-facing components for US Stocks within Ajaib's mobile app webview, working across the web-in-native boundary to ship UI embedded in the live product.
- Cut ops account landing page load time by refactoring render strategy and tuning Next.js config, improving responsiveness for the internal platform used daily by operations teams.

❖ Squad Lead Frontend (Contract), Hyperscal by Converge ICT Jul 2025 — Mar 2026
Jakarta

A multi-tenant B2B SaaS Business Support System (BSS) / customer-operations platform. Organizations model their structure as sub-tenant entities, each with physical sites (locations with capacity and address) and nestable teams of members assigned to those sites. On top of that they run case management, knowledge management, work-force & shift management, email-to-case and multi-channel messaging, CPE device activation, visual workflow automation, analytics, and role-based access control.

Schema-driven core

Nearly every data surface is declarative, which is how the team ships dozens of consistent CRUD/management screens:

- In-house schema-first DataView engine: renders Table/Tree/List/Expandable views from a backend-served schema, with sorting, pagination, persisted column settings, mass/bulk actions, and selective custom cell renders (no manual column definitions).
- Schema-independent filter & query-criteria builder: composes filter rules into query keys feeding TanStack Query.
- Config-driven form generator: builds forms (validation + submission) from a schema, with ~19 field types (text, dropdown, combobox, date/time, phone, file-upload, address, plus array/group nesting) and a grid layout system.

Auto-generated typed API

A fully typed API SDK generated from OpenAPI specs (kubb codegen). Merging and emitting TypeScript DTOs and a fetch client grouped by domain (~5,000 generated files). Types flow spec → DTO → client → Query hooks, giving compile-time safety from the network boundary into components.

My role (Frontend Squad Lead)

- Led front-end architecture: the Remix + React Router v7 (SSR) migration and flat-routes restructuring (RFC-driven), the schema-first DataView/form adoption, the OpenAPI codegen typed-client strategy, and the RBAC model (single server-side permission prefetch cached in React Query, synchronous access checks).
- Built the organization & entity-management domain end-to-end (teams, sites, contacts, policies, permissions, email-to-case, messaging templates, shift/work-force config).
- Contributed core capabilities to the schema-driven DataView engine, and delivered auth flows (login, MFA/OTP, password recovery, invitations) and the activity-log system.
- Established the end-to-end testing strategy with Playwright. A BDD-style suite built on the Page Object Model, with role-based auth setup projects (agent / supervisor / admin sessions persisted via isolated storage state), per-feature test commands, multi-worker isolation, CI retries, and trace capture on failure.
- Manage the frontend team workload and direct report to the CTO
- Achieving target delivery before parents-company deal with the renewal date on the old platform they've used
- Achieving target to built dynamic schema driven platform to support multi-tenants customizable organization management

❖ Frontend Engineer, SERA (Serasi Autoraya) by Astra International Nov 2023 — Jul 2025

Jakarta

A subsidiary of PT Astra International Tbk, one of Indonesia's largest transportation and logistics companies.

- Built multiple car-rental and bus-rental web applications from scratch in Next.js, delivering end-to-end booking and payment flows under the TRAC brand.
- Architected a monorepo structure spanning multiple services (car rental, bus rental, airport transfer, attractions/trips), with a shared global library of components and utilities. Ensuring UI consistency and reuse across every product surface.
- Integrated TRAC rental services into Bank Mandiri's Sukha super-app, implementing RSA encryption to secure the payment payload and API handshake between platforms.

❖ Frontend Engineer, Tokenomy by Indodax Apr 2021 — Nov 2023

Jakarta

Licensed crypto investment platform. Indodax subsidiary

- Develop and maintain Tokenomy dashboard such as new feature and bug fixing: Investment submission (Fixed deposits, Staking, Dual Currency); Crypto Loan submission; Crypto Exchange Transaction; Contract Market / Trading using tradingview and websocket; Financial Statement
- Improve the application GT Metrix/Page speed score by managing API calls -> reduce LCP, refactoring some components / fix some rendering cycle -> reduce CLS
- Sentry and Jenkins monitoring
- Build our own design system & component library using Storybook
- Code review

Tech Stack: JavaScript, Typescript React Js, Redux, Next Js, Tailwind, Material UI, Firebase, Web Socket, Payment Gateway (Midtrans), Unit Testing (RTL & Jest), Git etc.

❖ Frontend Engineer, CODEX powered by Telkom Indonesia Jun 2020 — Apr 2021
Jakarta

Point of Sales (POS) for small and medium-sized enterprises

- Develop and maintain Bonum dashboard for user: Stock management; Cashier; Staff management.
- Develop and maintain Customer Relationship Management dashboard for internal use and Content Management System for the blog pages
- Write unit testing and improve web performance

Tech Stack: JavaScript, React Js, Redux, SCSS, Unit Testing (Jest), Git etc.

❖ Frontend Engineer, PT Sama Satu Jalan (Tebengan) Nov 2019 — May 2020
South Tangerang

Ride sharing app

- Develop and maintain our Internal tools dashboard
- Integrate and maintain user and driver tracking history with Leaflet

Tech Stack: JavaScript, React Js, Redux, Ant Design, Leaflet, GraphQL, Git, Bitbucket etc.

❖ Web Developer (Internship), Garena Indonesia Aug 2019 — Nov 2019
Jakarta

- Build and maintain embedded web for events in game in these applications: Free of Fire, Arena of Valor, GKart and Call of Duty Mobile
- Build and maintain Tournament and Voting events web application
- Develop the landing page for each games

Tech Stack: JavaScript, React Js, Redux, SCSS etc.

EDUCATION

❖ STMIK Antarbangsa Sep 2020 — Jul 2022
Undergraduate Tangerang

❖ Impact Byte Mar 2019 — May 2019
Full Stack JavaScript Jakarta

❖ MAN 19 Jun 2015 — May 2018
Senior High School South Jakarta

SKILLS

JavaScript / Typescript	React Js / Next Js / HTMX
Redux / Zustand & Zod	HTML & CSS / SCSS / Tailwind
Storybook / Material UI / Ant Design / Shadcn	REST API / GraphQL
Web Socket	Unit Testing / Jest / RTL / Playwright / Vitest
Monorepo (Nx, Turborepo)	Agile and Scrum / Jira
Firebase / Google Map API	Node Js / Express Js
SQL / MongoDB	Software Development
APIs & Integrations	AI Assisted Coding / Claude Code / Cursor

LANGUAGE

Indonesia, English