

Zain Fathoni

Senior Front-End Engineer

Indonesia

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Summary

A front-end developer with 11 years of experience who loves spending [his spare time building user-centric products](#) and [giving talks in meetups and JavaScript conferences](#). Besides [sharing his open-source activities](#), he co-organises [ReactJS Indonesia](#) and [Frontend Indonesia](#) communities to help his fellow Indonesian developers learn.

Experience

BookThatApp / Senior Software Engineer

AUGUST 2025 – PRESENT, REMOTE

- ❖ Following the sale of the BookThatApp product, while still maintaining the same product.
- ❖ Modernize the admin UI embedded in Shopify using **Polaris React**.

Relay Commerce / Senior Front-End Engineer

APRIL 2024 – JULY 2025, REMOTE

- ❖ Refactored a **Shopify POS app** from the deprecated Shopify POS Legacy Extensions app into the Embedded POS app, **retaining users** who have been relying on the app's integration with Shopify POS.
- ❖ Improved the web app Lighthouse Performance score **by 100% (from ~40 to ~80)**, implementing principles learned from evaluating [public websites](#).

Ninja Van / Senior Software Engineer

JANUARY 2018 – MARCH 2024, SINGAPORE

- ❖ Led a company-wide initiative to build **reusable components** in React and Flutter **design systems** and assisted in migrating **six products** to it.
- ❖ Led a team of 5+ engineers building a new internal dashboard that enabled manual supplier creation within **less than two minutes** by employing **web accessibility** principles.
- ❖ Established an end-to-end testing infrastructure using Playwright that **caught more than 10 potential regressions** before production releases.
- ❖ Led a team of 10+ engineers building a [new mobile app](#) in [Flutter](#) with **99.88% crash-free** users. It diversifies the customer segments into small businesses, adding **thousands of parcels/day** to the total volume.
- ❖ Led a team of four engineers building a [customer-facing web app](#) in [React](#), replacing an older one with a better user experience and security. It diversified the customer segments, adding **hundreds of thousands of parcels/day** to the total volume.
- ❖ Led a team of two engineers in building the [Ninja Van static website](#) that shows content from [a headless CMS](#). Achieving **Google SERP (Search Engine Result Page) 1** for 13 targeted keywords.
- ❖ Established frontend unit & integration **testing infrastructure** and CI/CD. Enforced the team to maintain the test coverage for all projects above 75%, assuring the applications' stability.

Bukalapak / Software Engineer

MARCH 2017 – JANUARY 2018, INDONESIA

- ❖ Led a squad to launch a new [B2B feature](#) with **Go** microservice.

Xtremax / Software Development Manager

JANUARY 2015 – MARCH 2017, INDONESIA

- ❖ **Managed 70+ developers** and improved the developer experience by adopting a new [Git workflow](#), which led to **doubling** development speed.

Projects & Interests

Kelas Rumah Berbagi / <https://kelas.rumahberbagi.com>

DECEMBER 2021 – MARCH 2024, GITHUB

- ❖ Held [a hackathon](#) to build an online course platform.
- ❖ Documented [UML diagrams](#) to communicate the product vision to contributors asynchronously.
- ❖ Set up [CI workflows](#) for the unit, integration, and end-to-end testing to ensure each contribution introduced no regressions.

WargaBantuWarga / <https://www.wargabantuwarga.com>

JULY 2021 – PRESENT, GITHUB

- ❖ Led [40+ open-source contributors](#) in building a crowdsourcing website for COVID-19 medical facilities information.
- ❖ After launching the **MVP in three days**, we [incrementally improved](#) the website's user experience and search engine optimisation.
- ❖ Established and enforced [strong principles](#) to ensure the best possible user experience during the difficult times of the COVID-19 delta wave.
- ❖ With **7,000+ pages served**, achieved 99.7% URLs with a good page experience on mobile and 100% good URLs on desktop.
- ❖ Achieved **234K clicks and 4.83M impressions** in Google Search at its peak month in October 2021.

KawalCOVID19 / <https://kawalcovid19.id>

MARCH 2020 – FEBRUARY 2024, GITHUB

- ❖ Led [39 open-source contributors](#) in building a website portal for one-stop information on COVID-19 in Indonesia.
- ❖ Achieved **250K clicks with 106K daily users** at its peak in March 2020.
- ❖ Built [a handbook](#) to asynchronously communicate with 500+ contributors across multiple initiatives within the community.

Talks

- ❖ Building a Performant Web using Remix with Public Google Sheets-Backed Database - [Slides](#)
21 July 2024, Google I/O Extended 2024
- ❖ Navigating The Web in A World Full of Constraints - [Video](#)
28 July 2023, CityJS Singapore 2023
- ❖ State Machines Meet React Hooks - [Video](#)
15 June 2019, JSConf Asia 2019
- ❖ More talks can be found at zainfathoni.com/talks

Education

Institut Teknologi Bandung / B.Eng. Computer Science

AUGUST 2008 – OCTOBER 2014, INDONESIA

Skills

- ❖ HTML, CSS, JavaScript, SEO, accessibility & performance, TypeScript, React, Webpack, Vite, Jest, Testing Library, Cypress, Playwright, Gatsby, Next.js, Remix, Redux, Tailwind CSS, Sass, GraphQL, Headless CMS, mentoring, leadership, planning, technical writing, and public speaking.