Fabio Hideaki Matsumoto

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São Paulo, Brazil

Professional Summary

Senior Front-end Engineer with 5+ years of experience designing scalable, accessible, and high-performance web applications with React.js and Next.js. Proven track record leading a Design System adopted by internal teams company-wide, driving Core Web Vitals and WCAG improvements, and mentoring engineers as a technical lead. Passionate about clean architecture, developer experience, and building products that scale to millions of users.

Experience

Sr. Full-stack Engineer Sep 2025 – Present
Stefanini Group *Remote*

- Built front-end applications for an e-commerce engine using *Next.js*, *React.js*, Material UI, Storybook, and TailwindCSS, reusing tokens from a custom **Design System** across a **monorepo architecture**.
- Delivered end-to-end user-facing flows, from **landing pages and back-office dashboards** to **checkout experiences** integrated with a payment hub, with a strong focus on **accessibility and performance**.
- Collaborated on back-end services (*Node.js*, Fastify, *MongoDB*) to ensure secure, high-availability transactions across the platform.
- Established a solid **front-end testing strategy** with Jest and Playwright, improving coverage and CI/CD reliability.
- Deployed and scaled applications with *AWS* and Docker, applying cloud-native best practices for resilience and performance.
- **Stack**: *Next.js*, *React.js*, Material UI, Storybook, TailwindCSS, *TypeScript*, *Node.js*, Fastify, *MongoDB*, Jest, Playwright, *AWS*, Docker.

Full-stack Web Engineer Jun 2025 – Sep 2025
Alume Tecnologia e Serviços Financeiros *Remote, Brazil*

- Contributed **front-end features** to Alume's accounting and finance platform, spanning customer-facing applications and the internal **back-office**.
- Participated in system design discussions and delivered **AI-assisted solutions** alongside the product team.
- **Stack**: *Next.js*, *React.js*, TailwindCSS, Material UI, Figma, Zustand, *Node.js*, Fastify, PostgreSQL, Sentry.

Software Development Analyst Jun 2022 – Jun 2025
Serasa Experian S.A. *Remote – Blumenau, SC*

Tech Lead | Design System

- **Technical lead** in the development of a **Design System** used by **12 internal teams**, accelerating software delivery by **41%**.
- Direct collaboration with **stakeholders** to define **OKRs and fiscal year strategy**.
- Development of **clean, accessible, and scalable code** using **React.js, Next.js, and AWS**.
- Experience with **Scrum, Kanban, and Waterfall**, using **JIRA** for agile management.

Front-end & Architecture

- Development and maintenance of **4.5K+ pages** in a headless CMS (**Builder.io**) integrated with the Design System.
- Definition of **scalable front-end architecture** using **Next.js, React, Nest.js, and TypeScript**.
- Solid experience with CSS libraries such as **TailwindCSS**, **Vanilla Extract**, **Radix**, and **MUI**.
- Development of **scalable APIs** with **Node.js** and high test coverage (**Jest, Vitest, Cypress**).
- Implementation of **SEO and accessibility (WCAG)**, optimizing **Core Web Vitals** for search ranking.

- Monitoring and observability with **Datadog, Splunk, Rancher, and Google Analytics**.
- Mitigation of vulnerabilities via **Veracode** and application of security best practices.
- Experience with **CI/CD** (**GitLab, BitBucket, Jenkins**) and **AWS infrastructure** (**Lambda@Edge, S3, CloudFront, K8s, Docker**).
- Writing **ADRs** and **Post-Mortems**, fostering a documentation culture.

Web Developer Mar 2022 – Jun 2022
James Tip *Porto Alegre, RS*

- Development and maintenance of the **logged-in area web application**, ensuring continuous improvements in user experience.
- Creation of **algorithms for inventory and logistics management and forecasting**.
- Development of **features** and integration with **REST APIs** using **React.js, TypeScript, and Redux.js**.
- Maintenance and evolution of **APIs with PHP** and database.
- **Led the migration** from a **monolithic architecture to Microfrontend**, increasing modularity and scalability.
- Worked with **SCRUM, Git, GitLab, and Google Cloud Platform (GCP)** for version control and continuous deployment.

Freelance Front-end Developer Jul 2021 – Mar 2022
Workana

- **Bug fixing**, implementation of **new features**, and website optimization for better performance and user experience.
- **Web development** using **React.js, React Native, Node.js, and Express.js**.
- **Database management** with **MongoDB, PostgreSQL, Knex.js, and Prisma ORM**.
- Worked with **JavaScript and TypeScript** for web and mobile development.

Education

Bachelor's Degree in Computer Engineering (Incomplete) 2024
FIAP *São Paulo*

- Course paused due to personal reasons.

Technical Degree in Mechatronics 2019
ETEC *São Paulo*

Technologies

- **Frontend:** TypeScript, React.js, Next.js, Qwik.js, Flutter
- **UI & Design Systems:** Storybook, Styled Components/Emotion, Vanilla Extract CSS, TailwindCSS, Material UI, Bootstrap, Radix
- **Backend:** Node.js, Express.js, Fastify, Nest.js
- **Cloud & DevOps:** Docker, Docker Compose, Kubernetes, Jenkins, Bitbucket, GitLab CI/CD, AWS (Lambda@Edge, S3, CloudFront, Lambda), Sentry
- **Observability:** Datadog (APM/RUM), Dynatrace, Splunk, Rancher, Google Analytics, Google Tag Manager
- **Security:** Veracode, Wiz (containers), application security best practices
- **Architecture & Practices:** ADRs (Architecture Decision Records), Post-Mortems, POCs, BDD, DDD, TDD, Scrum, Kanban, Waterfall, W3C WCAG 2.0

Languages

- Portuguese (Native) | English (Professional working proficiency) | Italian (Elementary)