

Bruno Fukumori

SENIOR SOFTWARE ENGINEER | FULLSTACK

São Paulo, SP, Brazil • +55 (11) 99622-7088 • brunofukumori@gmail.com • [linkedin.com/in/bfukumori](https://www.linkedin.com/in/bfukumori) • github.com/bfukumori • [portfolio](#)

PROFESSIONAL SUMMARY

Senior Software Engineer specializing in the TypeScript ecosystem. Experienced in designing and implementing scalable, resilient, and high-performance systems, ranging from distributed backend architectures to cross-platform mobile applications. Strong background in Clean Architecture, SOLID principles, and software development best practices (CI/CD, automated testing, and observability). Refined analytical and problem-solving mindset, shaped by a successful career transition from healthcare to technology.

TECHNICAL SKILLS

- Languages & Ecosystem:** TypeScript, JavaScript (ES2023+), Node.js, Bun, HTML5, CSS3, Java.
- Frontend & Mobile:** React, Next.js, Vite, React Native, Expo, React Query, Zustand, Tailwind CSS, Microfrontends (Module Federation).
- Backend & APIs:** NestJS, Express, Fastify, ElysiaJS, REST APIs, BFF (Backend For Frontend), Microservices.
- Architecture & Tools:** Clean Architecture, DDD, SOLID Principles, Design Patterns, Turborepo, Nx, Biome, Vitest, Playwright.
- Infrastructure, DevOps & Messaging:** Docker, Kubernetes, Terraform, AWS, GCP, Azure DevOps, CI/CD Pipelines (GitHub Actions), Redis, RabbitMQ, BullMQ, Kafka.

PROFESSIONAL EXPERIENCE

- Senior Software Engineer — Hapvida NotreDame Intermédica** October 2025 – Present
- Engineered and architected an innovative medical services marketplace mobile application using React Native and Expo, focusing on high usability and fluid performance for users and healthcare providers.
 - Implemented highly scalable and secure enterprise mobile architectures, ensuring secure integration with critical APIs, payment gateways, and complex real-time authentication flows.
 - Adopted, disseminated, and refined software engineering best practices, leading to a substantial increase in automated test coverage and the reliability of CI/CD pipelines.
 - Actively technical mentored, guided, and empowered junior and mid-level software engineers within the team.
- Fullstack Developer — TEN** October 2025 – February 2026
- Developed high-reliability backend and frontend features to ensure secure digital governance and compliance in virtual shareholder meetings for the capital markets.
 - Designed, documented, and built robust RESTful APIs using Node.js and NestJS to handle complex business domains and high concurrent traffic.
 - Implemented and optimized distributed queue systems and asynchronous processing using BullMQ, mitigating compute bottlenecks and ensuring reliable long-running task execution.
 - Created automated workflows for the secure extraction, processing, and storage of auditing, compliance, and regulatory documentation.

Senior Developer — Wefit

November 2022 – October
2025

- Engineered and scaled a multi-operator web portal for the healthcare industry, serving over 2 million active lives, leading feature development and rigorous team code reviews.
- Served as a core member of the Architecture and Quality team, establishing Architecture Decision Records (ADRs) and formalizing crucial technical workflows.
- Developed an Internal Developer Portal (IDP) leveraging Spotify Backstage, automating infrastructure setup and boilerplate code generation, which cut new project provisioning times by over 90%.
- Optimized multi-stage Docker images using git submodules, decreasing CI build execution times by over 50% (from 40 down to 13 minutes) and reducing operational infrastructure overhead.
- Designed and developed decoupled BFF (Backend For Frontend) layers using NestJS for insurance carrier platforms, applying Clean Code principles and domain isolation patterns.
- Orchestrated complex enterprise web monorepos using Turborepo and Next.js, implementing advanced Microfrontends with Module Federation and rigorous e2e testing suites via Playwright and Vitest.

Mid-Level Biomedical Scientist — Hospital Israelita Albert Einstein

May 2012 – November 2022

- Executed high-complexity diagnostic imaging exams within the Computed Tomography department, focusing on continuous protocol improvement and advanced technical analysis.
- Acted as a technical instructor and mentor for the postgraduate tomography residency, developing exceptional leadership, communication, and critical data analysis skills prior to executing a full career transition to software engineering.

EDUCATION

Bachelor's Degree in Software Engineering — FIAP

2022 – In Progress
(Expected 2026)

Bachelor's Degree in Biomedicina (Biomedical Sciences) — Unifesp

2007 – 2010