

Marouane BENBAJJA

Fullstack Software Engineer

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Summary

Fullstack Software Engineer building and scaling production solutions. Backend-focused with Node.js/Express.js/NestJS and Java/Spring Boot; proficient with React/Next.js frontends. Experienced in Kubernetes infrastructure, legacy-to-modern migrations (Strangler Fig), and real-time systems.

Experience

Fullstack Software Engineer, Yakeey

Casablanca, Morocco

Mar 2025 – Present

- Engineered the new **Yakeey Pro** platform (web and mobile) for professional agents using React, Next.js, TypeScript, React Query on the frontend and Java/Spring Boot microservices on the backend.
- Drove migration from legacy monolith to new stack following the **Strangler Fig pattern**, progressively replacing bounded contexts while keeping production live.
- Maintained legacy system in parallel, delivering new features and enhancing existing modules without downtime.
- Built a shared component library with **Storybook** and ensured reliability through **Jest** and **Vitest** test coverage.
- Collaborated across frontend and backend disciplines to deliver full product features end-to-end, from API design to UI implementation and deployment.

Fullstack Software Engineer, Agenz

Casablanca, Morocco

Jul 2024 – Jan 2025

- Reconstructed the public-facing enterprise platform by migrating architecture to optimized **Next.js** and **Astro.js** frameworks, implementing ServerSide Rendering (SSR) to achieve top-tier SEO performance and eliminate Time-to-Interactive (TTI) bottlenecks.
- Built and maintained backend REST APIs with **Express.js**, backed by **MongoDB** for flexible property data management.
- Built and maintained a secure internal administration dashboard leveraging **React** and **React Admin**, enabling operational teams to handle complex **real-time** data orchestration and business logic.
- Conducted analytical user-flow profiling to eliminate client-side performance drag, utilizing code-splitting and lazy loading to cut average page load times in half.

Projects

Inception of Things

42 School

- Architected a multi-stage infrastructure automation pipeline across K3s/K3d clusters with GitOps via Argo CD and Helm.
- Stack:** Kubernetes (K3s/K3d), Docker, Vagrant, Argo CD, Helm, Shell Scripting.

Ft_Transcendence

42 School

- Real-time multiplayer Pong platform with WebSocket game sync, matchmaking, and auth.
- Stack:** Next.js, NestJS, PostgreSQL, Prisma, TailwindCSS, Socket.io.

Technical Skills

Frontend: React, Next.js, TypeScript, JavaScript, Astro.js, React Query, TailwindCSS, Material UI, Zustand, Storybook, Socket.io, WebSockets

Mobile: React Native, Expo

Backend: Java, Spring Boot, Node.js, NestJS, Express.js

Databases: PostgreSQL, MongoDB, Prisma, Mongoose

DevOps & Testing: Kubernetes (K3s/K3d), Docker, Argo CD, GitOps, Vagrant, Git, Jest, Vitest, JUnit

Education

1337 School (42 Network) - Digital Architecture

2021 – 2024

Equivalent Bac+5

Certifications

FreeCodeCamp - Backend Development and APIs [**Stack:** Node.js, Express.js, MongoDB, Mongoose]

Languages

English : Fluent • **French** : Fluent • **Arabic** : Native