

Dhia Bejaoui

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Skills

Programming Languages: JavaScript, TypeScript, PHP, Python, HTML5, CSS3

Frameworks & Technologies: React, React Native, Symfony, Express.js, Vue.js, Node.js, Next.js, FastAPI, Redux, Pinia, TanStack Query, Firebase, NestJS

Database: MongoDB, MySQL, PostgreSQL

ORM / ODM: Prisma, Mongoose, Doctrine

Tools: Tailwind CSS, Bootstrap, Material UI, Tamagui, Untitled UI, Storybook, Formik, React Hook Form, Zod, Yup, Firebase, Jest, Detox, Vitest, Playwright, Docker, GitHub Actions, APScheduler, next-intl, Claude Code, Git, GitHub, Jira, Asana, Postman

Experience

Software Engineer, Sparkling Co. Ltd – London, Remote July 2025 – July 2026

- Designed and optimized backend services using **NestJS**, reducing API response time by **30%**.
- Integrated secure payment workflows using **Stripe API**, including webhooks, subscription management, and invoice handling.
- Created reusable, responsive UI components using **Next.js**, **Tailwind CSS** and **Untitled UI** and implemented type-safe form validation with **React Hook Form** and **Zod**.
- Developed and maintained automated tests using **Vitest** for unit testing and **Playwright** for end-to-end testing.
- Set up and configured **Storybook** for scalable component development and documentation, and integrated **Chromatic** for visual regression testing within **CI/CD pipelines**.
- Built and maintained a distributable **Claude Code** plugin for **Next.js/TypeScript** design-system projects, integrating 5 **MCP** servers (Figma, Linear, Context7, Playwright, Codegraph) and custom AI agent skills for code review, security/accessibility audits, and Figma-to-code implementation.
- Used the plugin to build the company website end to end in under a week.

Software Engineer Intern, Sparkling Co. Ltd – London, Remote Feb 2024 – Jul 2024

- Converted **Figma** designs into dynamic, responsive interfaces using **React Native** and **Tamagui**, including forms with validation using **Formik** and **Yup**.
- Implemented a chat system with voice messages and reactions using **Firebase Storage** and **Expo Audio**.
- Integrated **Google Maps API** with **Expo Location** to enable real-time user geolocation.
- Tested app features with **Jest** for unit testing and **Detox** for end-to-end testing.

Frontend Developer Intern, Front Row – Hamburg, Remote Jul 2023 – Aug 2023

- Built responsive **React** interfaces from Marvel App designs using **Tailwind CSS**.
- Optimized data fetching with **TanStack Query**.

Full Stack Developer Intern, Financial Market Council – Tunis Feb 2021 – May 2021

- Built responsive user interfaces and interactive charts using **React**, **Bootstrap**, and **Chart.js** to visualize market data.
- Implemented a file upload and parsing feature in **Symfony**, using **Doctrine ORM** to handle entity mapping, validation, and optimized database insertion.

Projects

Sarrafli sarrafli.net

- Built Sarrafli, a full-stack web app aggregating live rates from 13 Tunisian banks and the BCT, using **Next.js 16** (App Router, TS) and **FastAPI/MongoDB**, with a trilingual (FR/EN/AR) RTL experience via **next-intl**.

- Engineered an async scraping pipeline (13+ bank scrapers) with **APScheduler** cron jobs, automatic retries, and email alerts on failure.
- Built the frontend with Server Components, **TanStack Query**, **Zod**, and **Untitled UI**, and set up **CI/CD** with **GitHub Actions** and **Docker Compose** deployment to a VPS.

CodeSensei

github.com/dhiabj/CodeSensei

- Built a full-stack app with **Vue.js** and **NestJS** using **Google Gemini API** to analyze code quality, featuring a multi-language IDE with **CodeMirror 6**, with a responsive UI using **Tailwind CSS**.
- Implemented secure auth with **OAuth** (Google & GitHub), **Passport.js**, **JWT**, and email verification with **Brevo**.

Education

ESPRIT – Master’s degree in Computer Science	Dec 2024
ISSATM – Bachelor’s degree in Computer Science	July 2021

Languages

- Arabic: Native
- English: Fluent
- French: Conversational