Oussama BENGOUDIFA

Software Engineer · Web, Mobile & Backend

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PROFILE

Software engineer with 4+ years of experience across web, mobile and backend (TypeScript, React, React Native, Next.js, NestJS), working with international teams. I start with the problem, turn the idea into a product, launch it, and keep improving it with real users: features, performance, bugs, SEO and analytics.

EDUCATION

École Supérieure en Informatique (ESI), Sidi Bel Abbès **2017 – 2023**
State Engineering Degree in Computer Science, Information Systems & Web

TECHNICAL SKILLS

Languages	TypeScript, JavaScript, Python
Frontend	React, Next.js, Vite, Tailwind CSS, Mantine UI
Mobile	React Native, Expo, native modules (Java, Swift), iOS, Android
Desktop	Electron, C# / WebView2
Backend	Node.js, NestJS, FastAPI, REST APIs, GraphQL
Databases	PostgreSQL, MongoDB, MySQL, Redis
AI	OpenAI API, document analysis, transcription, data enrichment
Cloud & DevOps	AWS (EC2, Lambda, S3), Docker, CI/CD, Nginx, Linux
Quality & growth	Sentry, Jest, Supertest, technical SEO, product analytics
Tools	Git, GitHub, Postman, App Store Connect, Google Play Console

WORK EXPERIENCE



temtem

Software Engineer, Mobile & Web

Oct 2025 – Present
Full-time

> **Project:** temtem, a consumer app with over **1 million downloads** on Google Play, and temtem Pro, the app for stores, with the web dashboards around them.

WHAT I DO

- **Long receipt scan:** built the module on my own with OpenCV, C and native code: video capture, live checks on the phone, then frames sent to the server.
- **Features:** store missions with several tasks, a near-real-time winners list, search across all modules, orders v2, promo codes and bundles.
- **Web dashboards:** banner management and feature flags, to change the app without a new release.
- **Production:** fix issues found by QA and in production (navigation, API integrations, native dependencies, builds, performance), with regular releases on iOS and Android.

TECH STACK

React Native · TypeScript · Zustand · Redux · Java · Swift · C / OpenCV · React · Next.js · Sentry · REST APIs

Naviresto

Software Engineer

Aug 2024 – Jan 2026
Contract

> **Project:** restaurant search on web and mobile, by atmosphere, diet, halal options, business lunch and other detailed needs.

WHAT I DID

- **Full product:** only developer on the Next.js web app, the React Native / Expo app, the backend, the APIs and two Next.js dashboards.
- **Data & AI:** weekly Python ingestion on AWS Lambda from several sources, with AI for enrichment and ranking data.
- **Search:** filters, ranking by needs and reviews, favorites, accounts and a map.
- **Cloud & releases:** AWS (EC2, Lambda, S3), CI/CD, and releases on the App Store and Google Play.

TECH STACK

Next.js · React Native · Expo · TypeScript · Node.js · Python · PostgreSQL · AWS (EC2, Lambda, S3) · Docker · CI/CD · AI APIs

PaperCheck

Software Engineer, Full-Stack & AI

Feb 2024 – Jun 2025
Freelance

> **Project:** AI feedback for theses and academic papers, with **10,000+ pieces of feedback** delivered in its first nine months.

WHAT I DID

- **AI feedback:** analysis of a full thesis with OpenAI models, split into checks, in German and English.
- **Backend:** full rewrite for version 2.0, and uploads for documents too large for the server.
- **Product features:** comments directly on the PDF, a to-do list from the feedback, defense questions and voice practice with transcription.
- **Payments & accounts:** Stripe (cards, TWINT, several currencies, vouchers), login by code and Auth.js.

TECH STACK

Next.js · React · TypeScript · Node.js · Python / FastAPI · PostgreSQL · OpenAI API · Stripe · Auth.js · Tailwind CSS

Dextrolab

Software Engineer, Full-Stack

Nov 2023 – Sep 2024

> **Project:** web apps, dashboards and automation tools for trading and internal operations.

WHAT I DID

- **Development:** web apps, dashboards and backend services in TypeScript and NestJS.
- **Automation:** Telegram and Discord bots for trading workflows and internal operations.
- **Integrations:** production frontend and backend connected to external APIs and automation services.

TECH STACK

TypeScript · NestJS · React · Node.js · Telegram API · Discord API · PostgreSQL / MongoDB · Docker

Smartinia

Software Engineer, Frontend then Full-Stack

May 2022 – Feb 2024

> **Projects:** web apps, mobile apps and dashboards for the agency's clients. I started on frontend, moved to mobile and then full-stack, while finishing my engineering degree.

WHAT I DID

- **Frontend:** web apps and dashboards with React, Next.js, Vite, Tailwind CSS and Mantine UI.
- **Mobile:** features and full apps in React Native.
- **API integration:** frontends connected to GraphQL APIs with Apollo Client.
- **Full-stack:** several Next.js and NestJS projects.

TECH STACK

React | Next.js | Vite | React Native | Tailwind CSS | Mantine UI | GraphQL | Apollo | NestJS

PROJECTS

BEA Ouverture

Software Engineer

Nov 2026
Desktop app

> **Project:** desktop app that replaces two Excel workbooks used to open bank accounts in a branch.

WHAT I DID

- **Guided entry:** six types of account, with checks that find errors before printing.
- **Form engine:** keeps the layout and the formulas of the Excel sheets, without Excel.
- **Printing:** on preprinted two-sided forms, with fine adjustment.
- **Delivery:** Windows installers from 2 MB, for Windows 7 to 11, and statistics with export.

TECH STACK

React | TypeScript | Vite | Electron | C# / .NET | WebView2 | Python

RepasGo

Software Engineer

Jul 2026 – Present
Contract

> **Project:** unsold food sold as reduced-price packs: customer app, restaurant app, admin dashboard, website and API, in a team of two.

WHAT I DO

- **Mobile:** two React Native / Expo apps, both **on the App Store**, with a 6-digit pickup code.
- **Backend:** reservations, notifications without duplicates, and scheduled jobs that are safe with several servers (NestJS, PostgreSQL).
- **Admin & finance:** restaurants, offers, campaigns, support, monthly commissions with statements, exports and PDF.
- **Website:** public site in French and Arabic, and restaurant onboarding up to the QR code in the app.

TECH STACK

React Native | Expo | React | NestJS | TypeScript | PostgreSQL | Drizzle ORM | TanStack Query | Docker

CapCompare

Software Engineer, Full-Stack

Jun 2026 – Present
Contract

> **Project:** insurance comparison platform: quotes, six insurers side by side, then documents, contracts and claims, in a team of two.

WHAT I DO

- **Pricing:** engines for natural disaster, travel, professional liability, home and health activities.
- **Excel import:** the broker updates prices alone, with checks, versions and return to an older version.
- **Web app:** quote forms, comparison by price and guarantee with PDF, customer area and admin.
- **Access:** accounts, administrators and roles.

TECH STACK

Next.js · NestJS · TypeScript · PostgreSQL · Prisma · TanStack Query · Zod · Docker · Nginx

CNL Drive

Software Engineer, Full-Stack

May 2025 – Mar 2026
Contract

> **Project:** document management system for branches of the Caisse Nationale du Logement.

WHAT I DID

- **Documents:** folders, keywords, groups, dates, comments and filters that combine.
- **Permissions:** users, roles and 25 permissions, checked on every request.
- **On-premise:** installed on a Windows PC used as the server, reachable from every computer on the network.

TECH STACK

Next.js · TypeScript · Prisma · PostgreSQL · RBAC · JWT · Tailwind CSS

LANGUAGES

Arabic: native · **French:** fluent (professional) · **English:** fluent (professional)