

Ibtissam Oulahchoum

Full-Stack Software Engineer

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SUMMARY

Full-stack software engineer with 3 years of experience building projects in TypeScript and Python (Next.js, React, Vue, Node.js, Django), with PostgreSQL, MongoDB and Prisma. Experienced in building AI features, automations and LLM-powered chat agents. Manages work with Trello, Asana and Linear, and communicates with teams through Slack. Holds a Bachelor's in Software Engineering and a Master's in Data Science & AI, with IBM and Google certifications in Scrum, back-end development and project management.

EXPERIENCE

Freelance Full Stack Developer | Safawell · Travel Agency, Remote, Dubai Sep 2025 – Present

- Rebuilt the online travel agency platform (stays, experiences, car rentals, eSIMs) end to end in Next.js and PostgreSQL, with a full rebrand and UI/UX redesign.
- Built Safa Book, an AI chat agent on the Anthropic API with the Vercel AI SDK that finds trips, books through to payment, suggests destinations, and cancels or updates reservations.
- Built search and filtering (including halal filters) and integrated external travel providers into the booking flow.
- Implemented online payments, automated booking emails and invoice generation, with BullMQ queues for background jobs.
- Refactored the codebase into reusable components, added 8-language support (i18n), and ran Agile sprints.

Stack: Next.js, TypeScript, PostgreSQL, Prisma, Docker, Tailwind CSS, BullMQ, Anthropic API, Vercel AI SDK, payments, i18n

Co-founder · Product & Software Engineer | Clinavi, Remote Mar 2026 – Present

- Co-founded and built a Next.js/TypeScript and PostgreSQL platform for Moroccan medical practices, shaped through structured doctor interviews and active pilot feedback, working across architecture, backend, frontend, product, infrastructure and deployment.
- Co-developed practice management: waiting rooms, patients, appointments, internal reminders, medical history, automated WhatsApp reminders, invoices and documents.
- Implemented tenant isolation, role-based access, encrypted transport and secrets handling, audit logging, backup and recovery, security review and testing.
- Contributed to an intelligent WhatsApp assistant that books, reschedules and cancels appointments and answers questions on services and prices, by text and voice, in French, English, Moroccan Darija and more.
- Designed, wrote and built the responsive landing page, and manage social media and post design.

Stack: Next.js, TypeScript, PostgreSQL, WhatsApp API, multi-tenancy, RBAC

Full Stack Developer | Geekfact, Remote, Casablanca Feb 2025 – Sep 2025

- PinJob: built AI resume-builder features, ATS-friendly resume templates and AI job-resume matching, plus scrapers that pull job offers from LinkedIn and Anapec into PinJob and PinTalent.
- PinJob browser extension: built in WXT and Vue 3; scores CV-job matches with AI and auto-fills and submits applications on LinkedIn, Jobzyn and Emploi Maroc.
- PinTalent: built the AI interview quiz generator, producing technical and psychological assessments sent to candidates by email.
- Designed and built the PinJob and PinTalent landing pages in Nuxt 3 (UI/UX, copy, i18n, SEO) and documented APIs with Swagger.

Stack: Vue 3, Nuxt 3, Vuetify, Django REST Framework, PostgreSQL, MongoDB, Google Gemini, WXT, Swagger

- Inda Association: redesigned and refactored an inherited nonprofit platform with secure online donations and i18n, leading client meetings as developer and project manager.
- Built a real-time forum with private messaging and live notifications (Socket.io) connecting neurology experts and donors.
- Built an admin dashboard with JWT auth, role-based access control and Chart.js analytics on visitors, donations and revenue.
- Designed the MongoDB data model and Node.js/Express APIs, working in Agile/Scrum.
- Rebuilt the Laedx company website in Next.js and Tailwind CSS.

Stack: Next.js, React, Node.js, Express.js, MongoDB, Socket.io, JWT, Chart.js, Tailwind CSS

- Integrated ERP/CRM systems through REST APIs to streamline internal business processes.
- Built interactive React dashboards (Hooks, Context API) for real-time business data backed by PostgreSQL.
- Optimized frontend performance and data fetching with Axios.

Stack: React.js, Context API, REST APIs, Axios, PostgreSQL

PROJECTS

AI E-commerce & WhatsApp Management System

Multilingual olive oil store with a WhatsApp admin assistant: Gemini turns product photos into listings (human-in-the-loop), manages stock and sends order alerts. Delivered branding, UI/UX and full stack. **Stack:** Next.js, TypeScript, Python, Google Gemini, WhatsApp API

Restaurant Website, Dashboard & WhatsApp AI Assistant

Restaurant and events site (menu, promotions, birthdays and weddings, online and WhatsApp ordering) with a management dashboard and a Gemini WhatsApp assistant that adds, reprices and removes menu items from chat. **Stack:** Next.js, TypeScript, Tailwind CSS, Google Gemini, WhatsApp API

Horse Stable Website & CMS with AI Translation

Showcase site for horses, services, competitions and a blog, run from a custom CMS dashboard where Gemini translates content automatically whenever it is added or updated. **Stack:** Next.js, TypeScript, Tailwind CSS, Google Gemini

HireQuickly — B2B Lead Generation Platform

Scrapes, verifies and enriches job leads (salary, contacts, emails, website, description) into lists recruiters filter by location, salary and tech, with a Next.js and Tailwind CSS landing page. **Stack:** Next.js, Django, PostgreSQL, Pandas, Tailwind CSS

MonFuturPro — AI Career Guidance Platform

Career guidance platform with multi-step evaluations and quizzes, Gemini-powered answer analysis and career recommendations, a multilingual PostgreSQL schema, and an SEO-friendly dashboard for managing quizzes and blog posts. **Stack:** Next.js, Django REST Framework, PostgreSQL, Google Gemini, Docker

VibeLab — AI Fun Tools Platform

AI playground (photo roasts, excuse generator, AI court judge, vibe and chat analysis, debate settler) with login and Ko-fi support payments, in English, French, Arabic and Darija. **Stack:** Next.js, TypeScript, Prisma, Google Gemini, Tailwind CSS

Bakery & Bistro Website

Website for Josef, a bakery and bistro: menu, services, online ordering, table reservations and event booking, plus social media and ad campaigns. **Stack:** React.js, Django, Tailwind CSS

Dental Clinic Website

Premium, responsive site presenting the dentist, services and treatments, with before-and-after results and clear appointment-request paths. **Stack:** Next.js, TypeScript, Tailwind CSS

Restaurant POS System Landing Site

Multi-page product site for a restaurant POS (ordering, CRM, kitchen display), with logo and UI/UX. **Stack:** Nuxt 3, Tailwind CSS, i18n

Employee Management App

HR system with JWT authentication, CRUD for employee records and transactions, and real-time sales analytics. **Stack:** React.js, Material UI, NestJS, TypeScript, PostgreSQL

Facial Recognition Attendance System (Final Year Project)

Python, OpenCV and Qt app that logs attendance from live video, combining HOG, SIFT and LBPH features with SVM and XGBoost classifiers; paper presented at ISCAM'23. **Stack:** Python, OpenCV, Scikit-learn, XGBoost, SVM, Qt, SQLite

SKILLS

Programming Languages: TypeScript, JavaScript, Python, SQL

Frontend: React, Next.js, Vue 3, Nuxt 3, Tailwind CSS

Backend: Node.js, Express.js, NestJS, Django, Django REST Framework, REST APIs, WebSockets

Data & AI: PostgreSQL, MongoDB, Prisma, Anthropic API, Gemini, Vercel AI SDK, Scikit-learn, Pandas, OpenCV

Tools: Git, Docker, BullMQ, Swagger, Vercel, Agile/Scrum

EDUCATION

Master's Degree in Ingénierie Digitale et Intelligence Appliquée | ENSA Fès

Option: Ingénierie Data Science et Intelligence Artificielle

Bachelor's Degree in Software Engineering | FST Errachidia

DEUST in Mathematics, Computer Science and Physics (MIP) | FST Errachidia

Baccalaureate in Physical Sciences

CERTIFICATIONS

- IBM IT Scrum Master Professional Certificate | IBM & SkillUp
- Developing Back-End Apps with Node.js and Express | IBM
- Introduction to Scrum Master Profession | SkillUp
- Information Technology (IT) Fundamentals for Everyone | IBM
- Introduction to Software Engineering | IBM
- Introduction to DevOps | IBM
- Introduction to Agile Development and Scrum | IBM
- Practice Exam for Certified Scrum Master (CSM) Certification | SkillUp
- Scrum Master Capstone | SkillUp
- Working as a Scrum Master | SkillUp EdTech
- Foundations of Project Management | Google
- Aperçu des menaces de cybersécurité (Overview of Cybersecurity Threats) | LinkedIn Learning (Microsoft Career Path)

LANGUAGES

English (Fluent) | French (Fluent) | Arabic (Native)