

BEDHIAFI OKBA

SOFTWARE ENGINEER

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TECHNICAL SKILLS

- Programming Languages:** JavaScript, TypeScript, Java, PHP, C, C++
- Frameworks & Libraries:** React, Next.js, NestJS, Express.js, Symfony, Angular, Laravel
- Databases:** MongoDB, PostgreSQL, MySQL
- Tools & Platforms:** Docker, Git, Linux, Jira, Slack, Sentry, Sanity, Figma, Trello, Jenkins, Arduino, QT, Flutterflow
- Concepts:** Full-stack development, API RESTful, Artificial Intelligence, Object-oriented programming, Agile methodology

LANGUAGES

- French : Fluent
- English : Professional
- Arabic : Native Language



PROFESSIONAL SUMMARY

Dedicated software engineer with demonstrated success in software development, seeking to contribute my knowledge and grow within a progressive organization. Committed to advancing innovative solutions and continuously learning new technologies, especially the MERN Stack. Possess strong experience in full-stack development, database management, and complex systems integration.



EDUCATION

- Baccalaureate in Technical Sciences** 2021
Lycee ben arous | Tunisia, Ben arous
- Engineering Degree in Computer Science** 2021-2026
ESPRIT (Private School of Engineering) | Tunisia, Tunisia



ACADEMIC PROJECTS

- Skilly - Skill Exchange Platform + AI** 2025
 - Web platform enabling skill exchange with an AI mentor. Features: Skill marketplace, real-time collaboration tools, payment integration, notifications, feedback mechanism, gamification, and progress tracking.
 - Technologies used: React, Nest.js, Redis, Docker, MongoDB, Shadcn, TensorFlow.
- EVH - Electric Vehicle Charging Station Maintenance Platform** 2024
 - Multi-platform application designed to assist technicians with the installation, repair, and maintenance of charging stations. Offers guided installation steps, real-time diagnostics, and quick troubleshooting tools.
 - Technologies used: Javafx, SQL, MySQL, Java, Apache Maven, FlutterFlow, Symphony, PHP, Stripe.
- Jour J - Smart Event Planning & Access Control System** 2022
 - A desktop application developed in C++ using the Qt framework and MySQL for database management. Designed to streamline event organization, ticketing, and real-time access control, the app allows organizers to manage guests, schedules, and entry points efficiently. It features a hardware integration with Arduino, enabling an automated QR code scanning system that verifies digital tickets and triggers door access without human intervention.
 - Technologies used: C++, Qt, MySQL, Arduino, QR Code Scanner, Serial Communication.
- Treasure Hunt - 2D Platformer Game** 2021
 - A Linux-based 2D platformer inspired by classic titles like Super Mario, developed in C using the Simple DirectMedia Layer (SDL2) library. Players control an adventurer who runs, jumps, and collects treasures across multiple levels filled with obstacles, traps, and enemies. The game emphasizes smooth physics, responsive controls, and pixel-art graphics optimized for performance on Linux systems.
 - Technologies used: C, SDL2, GCC, Makefile, Linux.



PROFESSIONAL EXPERIENCE

Full-stack Developer | E-foire (E-commerce for Brands)

2025

Freelance | Tunisia

- Developed a full-stack functionalities using React, TypeScript, Shadcn, and Express.js. Designed and implemented a modular multi-tenant e-commerce platform with four distinct user interfaces (Client, Admin, Vendor, Delivery).
- Technologies used: React, Shadcn, PostgreSQL, Express.

Full-stack Developer | Access Controle

2025

Freelance | Tunisia

- Designed a full-stack platform for access and human resources management, centralizing facility control (buildings, doors, zones, systems), organizational structure management (companies, subsidiaries, departments), user and role management, as well as employee, schedule, leave, and audit log management. Implemented a secure NestJS API and a modern Next.js dashboard.
- Technologies used: NestJS (TypeScript), TypeORM, PostgreSQL, Next.js, React, TanStack Query, Tailwind CSS, shadcn/ui, Docker, AWS S3.

Full-stack Developer | TBF

2025 - Today

Freelance | Tunisia

- I developed a comprehensive web platform for managing the Tunisian Bridge Federation (TBF), centralizing user administration, club and license management, and organizing tournaments and events. Increasing user engagement by 30% by implementing a modern Next.js interface with secure authentication and specialized dashboards for administrators and club managers.
- Technologies used: Next.js, React, TypeScript, Tailwind CSS, shadcn/ui, TanStack Query, React Hook Form, Chart.js, AWS S3.

Front-end Developer | Times Square

2025

Freelance | Tunisia

- Create a modern web platform for the "Time Square" coffee shop, featuring an interactive showcase site with complete digital menu management, dynamic category navigation (coffees, hot/cold drinks, pastries), advanced search functionalities, image carousels, customer testimonials, and a responsive interface optimized for mobile and desktop. Implemented a Next.js architecture with modular components, contextual state management, and fluid animations.
- Technologies used: Next.js, React, TypeScript, Tailwind CSS, DaisyUI, Motion (Framer Motion), Swiper.js, Heroicons, Vercel Analytics, Husky, Commitizen.



PERSONAL PROJECTS

YC-Directory

2024

Tunisia

- YC-Directory is a comprehensive platform designed for the entrepreneurial community. It offers a space where young entrepreneurs can present their startup ideas, gather feedback from their peers, and connect with potential co-founders or investors. The platform integrates user authentication, idea submission and voting, networking features, and a clear, intuitive interface promoting community engagement.
- Technologies used: Next.js, React, TypeScript, Tailwind CSS, Sanity, Sentry.

Homy

2025

Tunisia

- Homy is a pet safety platform that uses QR code tags to help reunite lost pets with their owners. Pet owners create profiles, generate unique QR codes, and attach tags to their pets' collars. Anyone who finds a lost pet can scan the code with a phone camera to view the pet's details and contact the owner also he can share the location. The platform includes user authentication, pet profile management, QR code generation, email notifications, and an admin dashboard for order management. It features a responsive interface with glassmorphism effects and smooth animations.
- Technologies used: Next.js, Shadcn, TypeScript, Tailwind CSS, PostgreSQL, Prisma, Nodemailer, QRCode.js.