

# BEDHIAFI OKBA

## SOFTWARE ENGINEER

### CONTACT

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### TECHNICAL SKILLS

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

### LANGUAGES

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

### PROFESSIONAL SUMMARY

Dedicated software engineer with proven experience in software development, seeking to contribute my knowledge and grow within a progressive organization. Passionate about creating 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, Linux, Jira, Slack, TensorFlow
- EVH - Electric Vehicle Charging Station Maintenance Platform** 2024
  - Desktop application 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: Javaafx, SQL, MySQL, Java, Apache Maven

### PROFESSIONAL EXPERIENCE

- Full-stack Developer | E-foire (E-commerce for Brands)** 2025  
Freelance | Tunisia
  - Developed frontend and backend 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
  - Developed 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, shaden/ui, Docker, AWS S3.

**Full-stack Developer | TBF**  
*Freelance | Tunisia*

2025 - Today

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

**Front-end Developer | Time Square**  
*Freelance | Tunisia*

2025

- Developed 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**  
*Tunisia*

2024

- 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**  
*Tunisia*

2025

- 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, React, TypeScript, Tailwind CSS, Supabase, Nodemailer, QRCode.js, Vercel Analytics, Sentry, AWS S3.