

# ZAKARIA BIJADDIGUNE

## Full-Stack & Mobile Developer

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Full-Stack Developer specialized in building scalable SaaS platforms and cross-platform mobile applications. Experienced in designing and delivering end-to-end solutions — from backend API architecture to responsive frontends and native mobile apps. Passionate about clean code, performance, and turning complex problems into elegant products.

## Experience

**Full-Stack Developer , Great Wall Education** Nov 2025 – Present

Agadir, Morocco · Full-time · Hybrid

**Full-Stack & Mobile Developer , Lmaalmine** Sep 2025 – Present

Agadir, Morocco · Self-employed

Independently designed and built a cross-platform service marketplace connecting clients with maintenance technicians across Morocco.

### Backend (NestJS)

- Built a scalable REST API with 10+ modules: auth, maintenance, messaging, notifications, wallet, and ads
- JWT authentication with refresh token rotation across web and mobile
- Role-based access control for 4 user types: super admin, technician, client, and user
- Smart matching algorithm pairing clients with technicians by city and specialization
- Real-time chat via WebSocket (Socket.io) and push notifications via Expo
- Ad delivery system with role-based targeting and city filtering
- Analytics engine tracking user growth, performance, and completion rates
- Prisma ORM with PostgreSQL for data integrity and atomic transactions

### Admin Dashboard (React)

- Material-UI panel with RTL support, user and maintenance request management
- Ad analytics, PDF invoicing, real-time chat, ApexCharts visualization, and scheduling calendar

### Mobile App (Expo / React Native)

- Multi-language support: Arabic (RTL), French, and English
- Native features: camera, GPS location, document picker, and file upload
- Google Maps integration for technician and service location
- Real-time chat and push notifications via Expo
- Built with NativeWind, React Native Paper, and Reanimated

**Full-Stack Developer , Freelance** Feb 2024 – Present

Agadir, Morocco · Local & Remote (Upwork)

Worked independently as a freelance full-stack developer, delivering custom web solutions for clients locally in Agadir and remotely via Upwork with strong client satisfaction and positive reviews.

- Designed and developed custom websites and web applications across various industries including e-commerce, services, and business management
- Built e-commerce solutions and dynamic web applications with a focus on performance, responsiveness, and user experience
- Handled complete project lifecycle: client communication, requirements gathering, development, testing, and delivery
- Provided ongoing bug fixes, performance optimization, and feature updates for existing client projects

*Stack: React, Angular, Vue.js, Next.js, Node.js, Express.js, MongoDB, PostgreSQL, MySQL, TailwindCSS, Bootstrap*

### **Full-Stack Developer , Tetralink** Nov 2024 – Apr 2025

*France · Freelance · Remote*

Worked remotely as a Full-Stack Developer for Tetralink, delivering two production web platforms in the accounting and financial management domain.

#### **Accounting SaaS Platform**

- Built RESTful APIs using NestJS for journal entries, trial balances, and financial report generation
- Developed role-based interfaces for administrators, accountants, and clients using Next.js
- Implemented complex forms for FEC file uploads, client management, and chart-of-accounts configuration
- Optimized PostgreSQL schemas for efficient query performance on accounting data workloads

#### **Unpaid Invoices Management Platform**

- Built a multi-entity system across accounting firms, offices, managers, and collaborators with advanced search and filtering
- Developed a client-facing section for tracking unpaid invoices, account balances, and fiscal year data
- Delivered a fully responsive application with NestJS backend and Next.js frontend

### **Full-Stack Developer , IronDev** Feb 2023 – Jan 2024

*Agadir, Morocco · Freelance · Hybrid*

Contributed to a multi-tenant SaaS platform built to digitize and centralize operations for restaurants and retail stores, covering order management, payments, staff coordination, and analytics.

- Engineered a unified order management system handling orders from POS terminals, QR code scanning, and e-commerce with real-time sync across all devices
- Developed a modular menu system with live updates pushed to POS, tablets, QR ordering, and e-commerce simultaneously
- Built a commercial module covering sales rep management, QR-based discount assignment, and commission tracking
- Implemented role-based access control for employee accounts with granular permissions across all platform sections
- Developed a stock management module with inventory tracking and statistical reporting
- Integrated Stripe for SaaS subscription billing and in-platform card payments
- Delivered a PWA with push notifications for real-time order alerts on mobile
- Built a Debug Console for live server error monitoring and infrastructure management
- Containerized all services using Docker for reliable deployment

*Stack: Angular, React.js, Node.js, Express.js, MongoDB, Cassandra, Redis, Docker*

### **Full-Stack Developer — Intern , SearchCept** Aug 2022 – Dec 2022

*Agadir, Morocco*

- Developed a multi-page dynamic website with engaging animations to enhance user experience

- Built an interactive content management dashboard for efficient website content updates
- Optimized website performance, speed, and responsiveness for a smooth user experience

## Education

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**Ibn Zohr University** 2019 – 2022 Bachelor's degree — Mathematics and Computer Science

3-year Bachelor's degree at the Faculty of Sciences, Agadir (BAC+3, LMD system). Coursework: algorithms, data structures, OOP, database design, computer networks, and software engineering.

**Ibn Zohr University** 2019 – 2021 Associate's degree — Mathematics and Computer Science

First two years of the Bachelor's program covering programming fundamentals, algorithms, algebra, computer architecture, and operating systems.

**Lycée Almaarifa** 2018 – 2019 High School Diploma — Science, Mathematics Option A

## Skills

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### Backend

- NestJS
- Node.js
- Express.js
- REST APIs
- WebSocket / Socket.io
- Prisma ORM

### Databases

- PostgreSQL
- MongoDB
- MySQL
- Redis
- Cassandra

### DevOps & Tools

- Docker
- Nginx
- Git
- Linux

### Frontend

- React.js
- Next.js
- Angular
- Vue.js
- TailwindCSS
- Material-UI
- Bootstrap
- Redux
- SASS

### Mobile

- React Native
- Expo
- NativeWind
- Google Maps API
- Expo Push Notifications

### Languages

- TypeScript
- JavaScript
- Java

## Certifications

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**Docker & Kubernetes: The Practical Guide** Udemy · Jul 2025

**React Native — The Practical Guide** Udemy · Jun 2025