



Iheb Barrah

Software Engineer | Full-Stack Developer

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🌐 LinkedIn: linkedin.com/in/iheb-barrah 🏠 GitHub: github.com/ihebowski

🔗 Portfolio: ihebowski.github.io 📄 Work Authorization: Eligible to work in Germany

Professional Summary

Software Engineer with practical experience in full-stack development, mobile applications, and cloud deployment. Proven ability to deliver end-to-end solutions from requirements gathering through production deployment. Skilled in multiple programming paradigms, API development, database design, and cross-platform technologies. Strong collaborator with experience working in agile teams and delivering features across web, mobile, and backend systems. Seeking Software Engineer, Full-Stack Developer, or Backend Developer positions in Germany.

Technical Skills

Programming Languages

JavaScript, TypeScript, Python, Dart, Java, SQL

Frontend Development

Angular, Flutter, React, HTML5, CSS3, Responsive Design, Component Architecture, State Management, Single Page Applications (SPA)

Backend Development

Node.js, Express.js, Python Flask, RESTful API Design, Microservices, Serverless Architecture, Authentication & Authorization, WebSockets

Databases

MongoDB, MySQL, PostgreSQL, Firebase Firestore, Database Design, NoSQL, Relational Databases

Cloud & DevOps

AWS (S3, EC2, Lambda, API Gateway), Firebase, Render, Docker, CI/CD Pipelines, Environment Management, Cloud Architecture

Software Engineering

Agile/Scrum, Git, Object-Oriented Programming, Data Structures & Algorithms, Design Patterns, System Design, Unit Testing, Code Review

Work Experience

Jan 2025 – Jun 2025
Tunis, Tunisia

Full-Stack Developer Intern

ANOHA

Project: Inspection Management System

Description: Cross-platform application for field inspections with mobile and web interfaces, plus administrative dashboard for internal operations management.

Key Achievements:

- Owned full development lifecycle from requirements analysis to production deployment
- Designed and implemented RESTful APIs and serverless functions serving 500+ field inspectors
- Built mobile (Flutter) and web (Angular) frontends with role-based access control for 3 user types
- Deployed full-stack application to AWS (Lambda, API Gateway, S3) reducing infrastructure costs by 40%
- Collaborated with product and QA teams in 2-week agile sprints, delivering 15+ features on schedule

Environment: Flutter, Angular, Node.js, Express.js, Python Flask, MongoDB, AWS Lambda, AWS S3, AWS API Gateway, Docker, Git

Aug 2024 – Sep 2024
Tunis, Tunisia

Frontend Developer Intern

EXCELLIA Solutions

Project: IZI Payment Mobile Application

Description: Production mobile banking application providing payment services for Zitouna Bank customers.

Key Achievements:

- Rebuilt complete frontend architecture for production app serving 10,000+ active users
- Implemented component-based design patterns improving code reusability by 60%
- Delivered 8 production features following enterprise code review and validation processes
- Implemented state management solution reducing app crashes by 35%

Environment: Flutter, GetX, Git, Android Studio

Jul 2024 – Jul 2024
Tunis, Tunisia

Full-Stack Developer Intern

TEK-UP

Project: University Ride-Pooling Platform

Description: Complete ride-sharing system designed to improve student transportation access through matched carpooling.

Key Achievements:

- Owned full development lifecycle from concept to deployment for 2,000+ potential university users
- Designed system architecture and developed mobile application with real-time matching algorithms
- Built RESTful APIs with Node.js and MongoDB processing 100+ ride requests daily
- Deployed complete solution to cloud platform with 99.5% uptime during testing phase

Environment: Flutter, Node.js, Express.js, MongoDB, Docker, Git

Jan 2021 – Jun 2021
Tunis, Tunisia

Full-Stack Developer Intern

Ministry of Finance

Project: Network Access Request Management System

Description: Enterprise web application digitalizing network access request workflows across ministry branches in multiple cities.

Key Achievements:

- Owned full development lifecycle replacing manual paper-based processes across 12 ministry branches
- Developed full-stack solution (Angular + Node.js + MySQL) processing 200+ monthly requests
- Reduced administrative processing time by 70% through automated approval workflows
- Implemented tracking system improving request visibility for 50+ administrators

Environment: Angular, Node.js, Express.js, MySQL, Git

Freelance & Personal Projects

Chess B'Tounsi

Flutter, Node.js, Express.js, MongoDB, WebSockets, Docker

Multiplayer chess platform with AI opponent and real-time matchmaking serving 200+ active players. Implemented WebSocket-based synchronization with 50ms average latency, RESTful API for game state management, and containerized deployment.

GeoQuest

Flutter, Firebase, Firestore, Cloud Functions

Geography quiz application with user authentication and real-time leaderboards supporting 500+ registered users. Implemented serverless backend functions and CI/CD pipeline for automated deployment.

ExploreEase

Flutter, Node.js, Express.js, PostgreSQL, AWS S3

Travel discovery platform with advanced filtering and search processing 1,000+ destinations. Implemented relational database design, RESTful API endpoints, and cloud image storage.

Kwikmart

Flutter, Firebase, Firestore

Collaborative grocery list with real-time multi-user synchronization using Firestore listeners and reactive state management.

Jokify

Java, Firebase, Firestore, Cloud Storage

Social content-sharing application with user authentication and cloud-based data persistence. Implemented user profiles, content feeds, and engagement tracking using NoSQL database.

Education

Oct 2025 – Present Frankfurt, Germany	Exchange Student Philipps-Universität Marburg
Apr 2025 – Sep 2025 Schmalkalden, Germany	Exchange Student Hochschule Schmalkalden
Oct 2022 – Nov 2025 Tunis, Tunisia	IT Engineering Degree TEK-UP Private College of Engineering & Technology
Sep 2018 – Aug 2021 Tunis, Tunisia	Bachelor's Degree In Computer Sciences Central University

Certificates

PCAP – Certified Associate in Python Programming
Python Institute

onSET English Certificate (B2)
Verified English proficiency

21st Century Skills Certificate
Communication, problem-solving, collaboration

Microsoft Office Specialist
Word, Excel, PowerPoint

Languages

Arabic
Native

English
B2 (Upper Intermediate, certified)

French
B1 (Intermediate)

German
A1 (Basic)