

# Mohammed Altarhouni

Versatile software engineer with practical experience delivering scalable, high-performance solutions across web, mobile, and backend platforms.

Wrocław, Poland  
+48880890847  
[altarhonymohammed@gmail.com](mailto:altarhonymohammed@gmail.com)  
[LinkedIn](#) [GitHub](#) [Website](#)

## RELEVANT EXPERIENCE

**Full-Stack Developer**, 08/2021 - 12/2024

**Masarat IT & Finance Services** - Tripoli, Libya

- Designed, built, and shipped high-quality cross-platform mobile banking applications using **Flutter, React, and TypeScript**.
- Optimized front-end architecture and UI rendering, increasing app speed by **25%** and reducing user-reported issues by **15%**.
- Developed secure, scalable **REST APIs**, improved backend integrations, and maintained a reliable CI/CD pipeline that ensured **99% system uptime**.
- Collaborated with product managers, designers, and banking clients to translate complex requirements into refined, user-focused digital experiences.
- Contributed to internal coding standards, documentation, and team knowledge sharing within a **2-week Agile cycle**.
- Delivered multiple production-ready mobile banking apps, including **Masrafi Plus, MobiMal, MobiCash, Sahara Mobile, Masrafi Businesses, and Sahara Corporate**.

**Technical Intern**, 02/2023 - 06/2023

**Axiata Group**

Collaborated with Axiata's engineering team to troubleshoot backend issues, optimize system performance, and improve service stability while concurrently supporting Masarat IT with ongoing maintenance and monitoring tasks.

**Data Migration Intern**, 05/2022 - 06/2022

**Al Rajhi Bank** - Riyadh, Saudi Arabia

- Supported daily data migration operations and ensured consistency in transactional records.
- Gained exposure to banking IT infrastructure and operational data pipelines.

**Lead Engineer**, 07/2017 - 05/2021

**Aman Bank** - Tripoli, Libya

- Led IT operations and engineering projects using Oracle Database, PL/SQL, Java, and core systems admin tools; represented IT in executive meetings.
- Managed and supported Oracle FLEXCUBE core banking platforms, coached staff, and performed Oracle SQL data extraction, maintenance, and troubleshooting.
- Developed, maintained, and deployed production-ready modules for AMAN Bank's shareholder system using HTML, CSS, Sass, JavaScript, Java, and Oracle SQL, ensuring high performance and reliability across the platform.
- Configured and maintained VPNs, firewalls, and network security infrastructure; conducted routine audits and vulnerability assessments.
- Partnered with international teams (Oracle, Mastercard) to upgrade and optimize banking systems and integrations.

**Oracle Banking Consultant**, 02/2019 - 01/2020

**JMR Infotech** - Tunis, Tunisia

- Developed and customised interactive Oracle banking web interfaces using HTML, CSS, JavaScript, Java, and SCSS, improving usability across internal systems.
- Built and maintained secure Java-based REST API integrations with Mastercard, Visa, SWIFT, and multiple third-party banking platforms, including

## SKILLS

### Programming Languages

JavaScript, TypeScript, Java, Python, Dart, Kotlin, Swift, SQL, PL/SQL, MATLAB

### Libraries & Frameworks

React, Next.js, Angular, Node.js, Express.js, Flutter, Spring Boot, Socket.IO, Tailwind CSS, Zod, ASP.NET

### Databases

Oracle, MySQL, MongoDB, PostgreSQL, and Firebase

### Tools & Platforms

Git, REST API Design, Swagger/OpenAPI, Appwrite, and Google Gemini API

## EDUCATION

### Bachelor of Engineering Science :

Telecommunications Engineering, 05/2017  
**University of Tripoli** - Tripoli - Libya

**Master's degree** : computer engineering,  
01/2026

**Wrocław University of Science and Technology** - Wrocław, Poland, Poland

## SELECTED PROJECTS

### MobiMal—Mobile Banking App (1M+ users, 4.6★)

Secure banking app for NCB with transfers, cards, wallets, telecom payments, and account management.

**Tech:** Flutter, REST APIs, Firebase, BLoC, Fluro.

### UniBot—AI Chatbot Platform

Full stack chatbot with real-time messaging, prompt management, and multilingual support for universities.

**Tech:** Next.js, Node.js, Socket.IO, MongoDB (Typegoose), JWT, Tailwind, Gemini API.

### FoodApp—Sushi Bar Ordering System

Angular + Spring Boot web platform for ordering, table reservations, payments, and admin dashboards.

**Tech:** Angular 17, NgRx, Stripe, Spring Boot, H2, Swagger, and Appwrite.

the Central Bank of Libya and partner banks.

- Contributed significantly to AMAN Bank's transition to FLEXCUBE and Oracle Digital Banking (Arabic version).
- Led UAT, systems integration, and migration of core banking payment flows.
- Coordinated with international teams (Oracle, Mastercard) to ensure stable, compliant, and accurate financial transaction processing.
- Supported integration with ECC, RTGS, ACH, and SWIFT, and delivered user training and QA support.

## INTERESTS

Web accessibility, rock climbing, snowboarding, scuba diving, science fiction & fantasy novels, The Legend of Zelda: Breath of the Wild & Tears of the Kingdom