

MOHAMMED ALTARHOUNI

Versatile software engineer with hands-on experience delivering modern, scalable digital products across web, mobile, and backend platforms.

RELEVANT EXPERIENCE

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

Masarat IT & Finance Services - Tripoli, Libya

- Designed, built, and shipped high-quality cross-platform mobile and web banking applications using **Flutter** for mobile and **React, and TypeScript** for web.
- 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 customized 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 the Central Bank of Libya and partner banks.
- Contributed significantly to AMAN Bank's transition to FLEXCUBE and Oracle Digital Banking (Arabic version).

Wroclaw, Poland

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SKILL

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, and ASP.NET

Databases

Oracle, MySQL, MongoDB, PostgreSQL, and Firebase

Tools & Platforms

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

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.

EDUCATION

Master's degree: computer engineering, 10/2026

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

Bachelor of Engineering Science:

Telecommunications Engineering, 05/2017

University of Tripoli - Tripoli -Libya

- 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