MOHAMMED ALTARHOUNI

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RELEVANT EXPERIENCE

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

Masarat IT & Finance Services - Tripoli, Libya

- Designing and developing banking mobile applications for major Libyan banks
- Optimized the user experience and maintained the user interface, reducing user complaints by 15%
- Discussing the technical specifications and guidelines with clients during live meetings
- Improved application speed by 25% and resolved critical bugs, maintaining a 99% app uptime

Published projects with Masarat IT & Finance Services
Masrafi Plus (*IOS / Android*) (Jumhouria Bank)
Mobimal (*IOS / Android*) (National Commercial Bank, NCB)
MobiCash (*IOS / Android*) (Wahda Bank)
Sahara Mobile (*IOS / Android*) (Sahara Bank)
Masrafi Businesses (*Android*) (Jumhouria Bank)
Sahara Corporate (*IOS / Android*) (Sahara Bank)

Technical Intern, 02/2023 - 06/2023

Axiata Group

- Worked with Axiata's technical team on backend diagnostics and system optimization tasks.
- Contributed to maintenance and monitoring processes while continuing remote work with Masarat IT.

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.
- 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

- Contributed to AMAN Bank's transition to FLEXCUBE and Oracle Digital Banking in Arabic.
- Led user acceptance testing, systems integration, and banking payments migration.
- Coordinated with users and international teams, supported integration with ECC, RTGS, ACH, SWIFT, and provided training and QA support for Oracle banking systems.

EDUCATION

Master's degree : computer engineering, 2026
Wrocław University of Science and Technology - Wrocław

Bachelor of Engineering Science : Telecommunications Engineering, 05/2017
University of Tripoli - Tripoli

ADDITIONAL INFORMATION

LinkedIn, GitHub, Website

SKILLS

Programming Languages
JavaScript, Java, Python, Kotlin, Dart, Swift, HTML, CSS, TypeScript, MATLAB, PL/SQL, SQL

Libraries & Frameworks
React, Next.js, Node.js, Express.js, Tailwind CSS, Flutter, Angular, ASP.NET, Socket.IO, Zod, Folium, Swagger/OpenAPI

Databases
Oracle, MySQL, MongoDB, PostgreSQL, Firebase

Tools & Platforms
Google Gemini API, REST API Design, Git, Firebase, Swagger/OpenAPI

SELECTED PROJECTS

MobiMal – Mobile Banking App
A secure, widely used mobile banking solution for the National Commercial Bank (NCB) in Libya, with 1M+ downloads and 4.6★ rating. Provides account access, transfers, telecom payment services, wallet integration, card management, and more.
Technologies used: Flutter (Dart), Firebase (Crashlytics & Messaging), REST APIs, BLoC architecture, and Fluro routing.

UniBot – AI Chatbot Platform for University Onboarding & Support
UniBot is a full-stack AI-powered chatbot system designed to enhance student onboarding and automate FAQ responses in academic institutions. It enables real-time chat, multilingual support, and admin-controlled AI prompt management.
Technologies used: React (Next.js), Node.js (Express), MongoDB (Typegoose), Socket.IO, JWT, Google Gemini API, Tailwind CSS, Swagger, and Zod.

FoodApp – Food Squad Sushi Bar
An Angular web platform for online food ordering and restaurant management. Includes user and admin modules with menu, table, and order workflows.
Technologies Used: Angular 17, TypeScript, NgRx, Stripe, Tailwind CSS, ApexCharts, RxJS, Appwrite, Java 17, Spring Boot 3, Spring Data JPA, H2, Swagger/OpenAPI, RDF4J.

INTERESTS

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