

Oumayma BOUGHDIRI

Software Engineer | Flutter · Spring Boot · Angular

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Full-stack engineer with 4 years building and shipping production mobile and web products used by 50,000+ users. Own features end to end : from mobile apps and backend APIs to web back-offices, deployment, and store releases. Hands-on across the full product lifecycle. Fast learner who thrives on technical challenges and eager to join an ambitious team to keep growing as an engineer.

WORK EXPERIENCE

Full-Stack Engineer

Telecom For Future Ben Arous, Tunisia

September 2022 - Present

Main products: Carways · Mouhit · Educaways Quiz · Pastry - further details are provided in the Projects section.

- Built and shipped multiple Flutter applications on Android and iOS, actively used in production by many users.
- Designed and integrated REST APIs and backend services in Java, Spring Boot, Spring Security, and MongoDB, serving all endpoints across four products.
- Designed Flutter mobile interfaces, Angular back-offices, and internal tools driven by user journeys and business requirements.
- Led requirements analysis, technical design, and estimation within Agile cycles, through delivery, testing, and maintenance.
- Owned backend deployments and the full Android/iOS release pipeline - builds, store submissions, and post-release monitoring.
- Mentored 5 interns through feature implementation, code review, and debugging.

Co-Founder & Full-Stack Technical Lead

Dotways Ben Arous, Tunisia

January 2025 - Present

Dotways is the startup established to support the continued development of Carways, a product initially created at Telecom For Future. This role is carried out alongside my position as a Full-Stack Engineer.

- Own the technical architecture of a carways-service production system, making stack and design decisions across mobile, backend, and search
- Lead a team of 4 engineers and interns, conducting code reviews and driving technical standards
- Translate user feedback and business requirements into functional and technical decisions.
- Oversee development cycles, releases, and the product's continuous improvement.

Final-Year Internship - Full-Stack Development

Telecom For Future Ben Arous, Tunisia

April 2022 - September 2022

- Built backend features in Spring Boot and MongoDB for a digital tender management platform.
- Designed and developed the Angular web and administrative interfaces.

KEY PROJECTS

Carways - Multi-Stakeholder Automotive Platform

A production automotive ecosystem connecting vehicle owners, parts suppliers, garages, and service providers through quotation requests, a parts marketplace, garage discovery and appointment scheduling.

September 2022 - Present

- Engineered a private quotation workflow where vehicle owners submit parts requests with vehicle data and images, while matched suppliers respond independently without access to competitors' offers.
- Developed a marketplace enabling professional suppliers and individuals to publish, manage, and sell new and used automotive parts.
- Implemented semantic search using Qdrant and vector embeddings, enabling natural-language parts queries to match relevant inventory despite spelling variations and different terminology.
- Built Mecaways, a location-based garage discovery module using Apache Solr geospatial search to identify nearby open garages based on location, services, and operating hours.
- Designed a conflict-free appointment scheduling system with real-time availability and confirmations for customers and automotive service providers.

- Developed vehicle management capabilities for tracking maintenance expenses, administrative deadlines, and advance notifications.
- Owned the solution end to end across mobile, backend, administration, real-time communication, search, and data layers.
- 50,000+ downloads on Google Play • App Store • Tunisian Startup Label 2025.

Stack: Flutter • Spring Boot • Angular • MongoDB • Apache Solr • WebSocket • Qdrant

Mouhit - Coworking Space SaaS Platform

A white-label SaaS solution for coworking space managers and their members, combining an operational back-office system, a mobile application, and a public landing page. March 2026 – Present

- Built the full platform: Angular back-office, Flutter member app, and public landing page - covering space management, reservations, pricing, and client acquisition.
- Designed the multi-tenant architecture allowing each coworking space to run its own branding, pricing rules, and operational model from one codebase.

Stack: Flutter • Spring Boot • Angular • MongoDB

Eduaways Quiz - Educational Competition Platform

A mobile application that enables students to participate in quizzes and educational competitions. March 2023 – Present

- Built the full mobile experience: multi-choices quizzes, student profiles, and performance history.
- Implemented scoring and ranking algorithms integrated with gamification mechanisms.

Stack: Flutter • Spring Boot • Angular • MongoDB

Pastry - Internal Management System

A client-specific internal operations management system for the pastry industry. June 2023 – June 2024

- Delivered a client-specific Flutter app integrated with Spring Boot APIs and the web back-office to centralise internal operations.

Stack: Flutter • Spring Boot • MongoDB

SKILLS

- **Mobile** : Flutter • Dart • Android • iOS • Hive
- **Backend** : Java • Spring Boot • Spring Security • REST APIs • WebSocket
- **Frontend** : Angular • TypeScript • HTML/CSS
- **Data & Search** : MongoDB • MySQL • Apache Solr • Qdrant
- **Deployment** : Linux • Nginx • Google Play Console • App Store Connect
- **AI** : OpenAI API • Prompt Engineering • Embeddings-based Retrieval
- **Tools & Methods** : Git • Bitbucket • Postman • Agile • Trello

EDUCATION

National Engineering School of Sousse
National Engineering Degree in Embedded Telecommunications Engineering September 2019 – September 2022

Preparatory Institute for Engineering Studies of Nabeul
Scientific Preparatory Cycle in Mathematics and Physics September 2017 – June 2019

High School Mahmoud Messaidi
Baccalaureate Diploma in Mathematics September 2013 - June 2017

LANGUAGES

- **Arabic** - Native
- **English** - Professional Working Proficiency
- **French** - Professional Proficiency
- **Spanish** - Intermediate