

OUSSAMA MALLOUD

Full-Stack & Mobile Engineer | React.js, Node.js, Android, React Native

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PROFESSIONAL SUMMARY

Full-stack and mobile engineer with 4 years of experience building web applications with React.js and Node.js and 3 years developing native Android applications in Java, using React Native for cross-platform Android and iOS projects. At ONCF, Morocco's national railway, I own features end to end, from requirements and UI/UX design in Figma to development, testing and production support. Master's degree in Computer Science (Applied AI).

PROFESSIONAL EXPERIENCE

Digital Developer

09/2022 – Present

ONCF (Office National des Chemins de Fer), Digital Innovation Department, Rabat

- Own features end to end for internal and customer-facing applications: requirements analysis, UI/UX design in Figma, full-stack development and testing.
- Developed and deployed on my own the internal VIP lounge application: a native Android app in Java running on Honeywell handhelds, deployed through SOTI MobiControl (MDM), and a React.js and Node.js web back office for lounge management, control settings, stock tracking and reporting, synchronized with the handhelds.
- Wireframed the ONCF Voyages mobile app and manage the whole project for the business side: requirements, features, design approval and user acceptance testing.
- Maintain and improve production applications based on usage data and user feedback.

React.js Developer (internship, part-time)

07/2022 – 03/2023

MoroccoAI, Rabat

Computer Science Teacher (internship)

02/2022 – 05/2022

Lycée Hassan II, Rabat

PROJECTS

oussama.ma, personal portfolio | Next.js, TypeScript, Supabase (PostgreSQL), Vercel

2026

Portfolio in English, French and Arabic (right-to-left), content managed in Supabase, SEO and accessibility audits.

WhereBus, real-time bus tracking web app | React.js, Firebase, AWS Amplify, Amazon Location Service

2022

Live bus map with travel-time estimates and separate passenger, driver and company flows; designed the UX mockups and built the app.

ENS Events, Android app | Java, Firebase, Google Maps SDK, Places API

2022

School events app with Google, Facebook and Microsoft sign-in by role, event creation with photo and GPS location, favorites and an event map.

Unbeatable Tic-Tac-Toe | JavaScript, Minimax algorithm

2022

Browser game whose AI searches the full game tree with Minimax and never loses (tic-tac-toe-unbeatable.vercel.app).

Sammam, UI/UX design | Figma

2025

Arabic (RTL) mobile app and web back office for an anticoagulant clinic: INR tracking, dose tracker and pharmacist dashboard, 25 mobile screens and 4 web pages.

EDUCATION

Master's Degree in Computer Science & Telecommunications (Applied AI track)

2024 – 2026

Université Mohammed V de Rabat

Thesis: VIGIE, a Zero Trust framework for authentication and access control in IoMT (Internet of Medical Things) environments.

Professional Bachelor's Degree in Computer Engineering

2021 – 2022

Université Mohammed V de Rabat

DEUG in Mathematics & Computer Science

2019 – 2021

Université Mohammed V de Rabat

SKILLS

Languages: JavaScript, TypeScript, Java, HTML, CSS, PHP, SQL

Frameworks: React.js, Next.js, Node.js, Express.js, React Native, Gatsby

Mobile: Android (Java), React Native (Android and iOS), Android Studio, SOTI MobiControl (MDM), Honeywell handhelds

Databases: PostgreSQL, MySQL, MongoDB, Firebase, Supabase

Cloud & tools: Git, GitHub, Docker, AWS, Vercel, REST APIs

Design: UI/UX design, Figma, wireframing, prototyping

Methods: Agile, Scrum, requirements analysis, user acceptance testing, microservices, Zero Trust security

CERTIFICATIONS

- Developing Mobile Applications for Android using Java, Information Technology Institute (ITI), 01/2022
- Android Application Development, Edraak, 01/2022

LANGUAGES

Arabic (native), French (advanced professional), English (intermediate)