

# Hamza Boulahia

Full Stack Engineer - React | React Native | Angular | Spring Boot

## ABOUT

Full Stack Engineer with 4+ years of experience in web and mobile development. Senior expertise in React, React Native, Angular, and Spring Boot. Proven track record in performance improvement (+30%) and bug reduction (-25%). Specialized in innovative solutions with AI/OCR integration to optimize business processes. Passionate about technological innovation and solving complex problems.

## PROFESSIONAL EXPERIENCE

July 2022 – Present

### Full Stack Engineer React & React Native | Java Spring,

*Exia Technologies(Procheck Sagma, Casablanca)*

- Reduced critical bugs by 25% through rigorous testing and coding best practices
- Deployed backend/frontend solutions on Linux and Windows servers
- Optimized workflows with Docker and active participation in client meetings

#### Key Projects:

##### Mobile & Web Capture Application (ReactJs | React Native | Spring Boot)

Developed a complete solution (React.js, React Native, Spring Boot) for managing bank remittances (checks/LCN) with automated scanning, AI-powered OCR for data extraction (amount, CMC7, signatures) and fraud detection, including physical scanner integration and mobile capture with auto-crop.

##### Almabat Website (React js | NodeJs)

Created a responsive showcase website for automotive battery sales with catalog presentation and product information.

##### Recruitment Application (ReactJs | Spring Boot)

Developed a full-stack platform in React.js optimizing the recruitment process with job posting management, applications, and candidate tracking.

##### Controle de Signature (React.js)

Implemented an intelligent signature verification and validation system on documents with automated comparison and authentication.

##### INWI Logistics Application (Angular | Spring Boot)

Designed a logistics management solution integrating OCR for automated contract processing and generation of contractual documents for INWI telecom operator.

##### React CaptureModal - NPM Library (React Js)

Developed an open-source React library of customizable and reusable modal components.

##### Talon Digital - Full-Stack Mobile Application (React Native | Spring Boot)

Created a complete mobile application (React Native + Spring Boot) for bank remittance management with advanced capture, OCR/AI, and value processing features.

##### PG Template - Intelligent Moderation Platform (React Js)

Developed a web content moderation platform with automated validation and quality control system.

April 2021 – July 2022

### React & React Native & Node.js Developer 2WLS

*2WLS, Casablanca*

- Developed mobile/web applications with OneSignal notifications and advanced animations
- Redesigned loyalty applications for TotalEnergies and Shell, significant UX improvement
- Improved operational efficiency by 40% with Agrobource solution

#### Key Projects:

##### Tookeez - Multi-Brand Loyalty Platform (React Native)

Created a fintech mobile application enabling the pooling of loyalty programs between merchants, with geolocation, cross-brand point management, and intuitive interface.

##### Shell and TotalEnergies Loyalty Applications (React Native)

Complete redesign of Shell and TotalEnergies loyalty applications with interface redesign, improved user engagement, and integration of new rewards features.

##### Instant Win Application (React Js)

Developed a cross-platform (Web + Mobile) gamified promotional campaign management platform with instant game system, prize management, and real-time participant tracking.

## CONTACT

### LOCATION

Casablanca, Morocco

### PHONE

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### EMAIL

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### LINKEDIN

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## EXPERTISE

- ✓ Full Stack Development
- ✓ Software Architecture
- ✓ Performance Optimization
- ✓ AI/OCR Integration
- ✓ Domain-Driven Design (DDD)
- ✓ Real-Time Processing (WebSockets)
- ✓ Batch Processing (Spring Batch)
- ✓ Multithreading & Concurrency
- ✓ Image Processing & Auto-Cropping
- ✓ Advanced Problem-Solving
- ✓ Code Review & Mentoring

## TECHNOLOGIES

### Frontend

ReactJS, Angular, Next.js, TypeScript

### Backend

Node.js, Java Spring Boot, Spring Batch, WebSockets

### Mobile

React Native, Expo, Cartographie (Maps), Push Notifications (OneSignal), Publication App/Play Store

### AI & Image Processing

OCR, ScanBot SDK, Auto-Cropping, Fraud Detection

### Databases

SQL, NoSQL, Query Optimization

## Tools & Methodologies

Git/GitFlow, DDD, Microservices,  
RESTful Architecture

## Freelance Projects

- **Agrosource - Agricultural Management Mobile Application (React Native & Node.js)**  
Developed a complete mobile application for agricultural resource management and tracking, optimizing operational efficiency with a 40% improvement in farm monitoring.
- **3eafrica.ma | Neofast.ma Websites (React.js & Node.js)**  
Developed full-stack showcase websites for Neofast and 3eafrica agencies with service presentation and responsive design.
- **Chia.ma & Alga.ma E-commerce Platforms (Angular & Node.js)**  
Created two full-stack e-commerce sites: Chia.ma (natural/organic products) and Alga.ma (general marketplace) with complete sales management, product catalog, and secure payment.
- **PACIOLI Platform - Accounting Management (React.js, TypeScript & Spring Boot)**  
Developed an automated accounting management platform with multi-file upload, AI-powered OCR for data extraction (purchase/sales invoices, bank statements), multi-currency conversion, and exchange rate calculation.
- **RPM Industrial Testing Manager Mobile Application - NARSA Morocco (Expo/React Native)**  
Designed a mobile application for managing and tracking RPM industrial technical inspection tests for NARSA (National Road Safety Agency of Morocco).

## LANGUAGES

Arabic



French



English



## EDUCATION

2023 – 2025

### Master's Degree - Big Data & Cloud Computing

*ENSET, Morocco*

2022

### Bachelor's Degree in Software Engineering

*ESTEM, Morocco*

2019

### Specialized Technician - IT Development

*NTIC 2 Sidi Maarouf, Morocco*