

# 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 Agrobourse 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

+212 659 676 148

#### EMAIL

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#### LINKEDIN

<https://linkedin.com/in/boulahia-hamza>

## 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

## Freelance Projects

- Agrobourse - 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).

## Tools & Methodologies

Git/GitFlow, DDD, Microservices, RESTful Architecture

## LANGUAGES

Arabic	<div><div></div><div></div><div></div><div></div><div></div></div>
French	<div><div></div><div></div><div></div><div></div><div></div></div>
English	<div><div></div><div></div><div></div><div></div><div></div></div>

## 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