

# Mouad IMAM

## SOFTWARE DEVELOPER

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Programming Lang: TypeScript, Python, Ruby

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GitHub: [github.com/Mouados-Byte](https://github.com/Mouados-Byte)

Portfolio: [immouad.com](https://immouad.com)

### SUMMARY OF EXPERIENCE

I am a Software Engineer with over **3 years of experience**. I have developed and delivered **more than 5 web applications** for clients in **3 different industries**. My work focuses on creating solutions that improve operational efficiency and enhance user satisfaction.

### PROFESSIONAL EXPERIENCES

#### Telecominder Part Time – Morocco

Full Stack Web Developer, DevOps \* *July 2024 - Present*

- Developed a **ticket management system** by creating a flexible platform that helps agents and ISPs track the **equipment life cycle** from creation to activation and maintenance, resulting in **improved operational efficiency**.
- Developed a **multi-staging deployment process** by **transitioning from the old deployment strategy** to one composed of **pre-production** and **production** stages, resulting in **6x faster delivery** and **significantly reduced downtime**.
- Improved database performance by **enhancing the database structure**, resulting in **faster and seamless operation** of multiple components, increasing overall system efficiency.

**Key Skills:** *Ruby On Rails, Javascript, PostgreSQL, Docker & Docker Compose, Dokku, Nginx, MVC, CI/CD pipeline development*

#### Humaneo - Mibtech Full Time – Morocco

Full Stack Web Developer \* *August 2023 – September 2024*

- Developed a **time tracking feature** that enables employees to log their working days, **reducing payroll processing time by 20%** and enhancing operational efficiency.
- Designed and developed a **survey system** for performance evaluations and user satisfaction, **reducing evaluation process time by 15%** and improving operational efficiency.
- Conducted **integration testing** to ensure all system components worked seamlessly together, **improving software reliability** and enhancing user experience.
- Designed and developed a **comprehensive learning platform** with articles, videos, and quizzes, **increasing employee skill acquisition rates by 15%** and enhancing job performance and productivity.
- Implemented a **flexible notification system** that alerts users in real-time when actions involving their input are needed, **streamlining communication** and enhancing responsiveness across teams.

**Key Skills:** *Ruby on Rails, JavaScript, RSpec, Docker, MySQL, CI/CD Pipeline*

#### Department of Computer Science Budget Management Intern – Morocco

Full Stack Developer \* *March 2023 – July 2023*

- Led web development projects using **Agile methodologies**, **improving project delivery times by 15%**.
- Developed an **innovative algorithm** for **University Budget Management** that dynamically calculates the budget share for each department, **enhancing resource allocation** and operational efficiency.
- Developed a **RESTful API** with JavaScript, providing fast and reliable access to **academic resources** and **budget history**, **enhancing user experience**.

**Key Skills:** *React/NextJS, ExpressJS, MySQL, NextUI, React Admin, Agile Methodology*

### SKILLS

Cloud Services	Google Cloud, AWS, Oracle Cloud, Github Codespace, Heroku, Vercel, Cloudflare
Containerization and Orchestration	Docker, Docker Compose, Kubernetes, NGINX
Programming Languages	JavaScript / TypeScript, Ruby, Python, PHP, SQL, BASH
Front-end / Back-end	Ruby On Rails, React/Next.js, Express, Nest, Tailwind, Dom, State Management: Redux..., Laravel Rails Hotwire, Pnpm Monorepo, Next Turbo, Firebase, Kafka, Elastic Search
Database	MySQL, MongoDB, PostgreSQL, Redis
Version Control and CI/CD	Git, GitHub, GitHub Action
Testing Practices	Unit Testing (Jest / RSPEC), Functional Testing (Cypress / Capybara), Regression Testing (Puppeteer), Integration Testing (Supertest, Postman)
Artificial Intelligence	Open AI, ChatGPT-4, Claude 3.5, Copilot, Midjourney, RAG, LangChain
Methodology and Standards	Agile, SOLID, Design Pattern, Clean Code, Distributive System, Serverless
Design	UI/UX, Design thinking, Photoshop, Illustrator, Figma

### PROJECTS

#### Realtime Dashboard *June 2024 - August 2024* \* [View the project repository](#)

- Developed a monolithic web application, **containerized** for a distributive system deployment, staged on a CI/CD testing process (within 2 weeks).
- Ensured **Quality Assurance** of the pipeline by implementing a cache build of the containers from multistage, Unified standardized database solutions like **Redis cache**, **indexation**, and **schema optimization** (within 2 months).
- Designed a database solution to **abstract labeling needs** of a scholar domain, resulting in a streamlined structure with 17 collections (within 1 week).

#### Mangel *March 2024 – April 2024*

- Focused on **DevOps** by writing **Docker Compose configurations** for containerization and implementing **Kubernetes** to manage application deployment, scaling, and operations.
- Designed and implemented **RESTful APIs** using **Ruby on Rails** to manage user authentication, book information, and user interactions, ensuring efficient data retrieval and manipulation.

### EDUCATION

Master's in Big Data & Cloud Computing University of Hassan II, Casablanca, expected graduation 2025

Bachelor's in Computer Science University of Hassan II, Casablanca, 2022 - 2023

**ACHIEVEMENTS** \* [Humaneo](#) \* [Telecominder](#)

**LANGUAGES** English \* French \* Arabic **ACTIVITIES** Tech Newsletters Reader \* Tech meetups & hackatons