

Mouad IMAM

SOFTWARE DEVELOPER

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SUMMARY OF EXPERIENCE

Passionate Software Engineer with over **3 years of experience**, specializing in developing scalable and user-centric web applications. Delivered **5+ web applications** across **3 diverse industries**, focusing on innovative solutions that enhance operational efficiency and elevate user satisfaction. Proficient in backend development, CI/CD pipelines, and cloud-based deployments, with a proven track record of driving measurable impact.

PROFESSIONAL EXPERIENCES

Telecominder

Part Time – Morocco

July 2024 - Present

- Developed a flexible **templating system** for entities, enabling dynamic creation with customizable fields, functions, and features. Maintained support for **relationships** to ensure seamless integration across the project.
- Implemented a **multi-staging deployment process** by transitioning from an outdated strategy to a modern workflow with **pre-production** and **production** stages, enhancing delivery efficiency and minimizing downtime.
- Created a **ticket management platform** that allows agents and ISPs to efficiently track the **equipment life cycle**, from creation to activation and maintenance, improving operational workflows.

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

Humaneo - Mibtech

Full Time – Morocco

August 2023 – September 2024

- Developed a **scheduling system** that automates the arrangement of shift hours, breaks, overtime, and unavailabilities, ensuring compliance with **work hours**, **rest requirements**, and employee preferences.
- 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.
- Designed and developed a **survey system** for performance evaluations and user satisfaction, improving evaluation workflows and operational efficiency.
- Implemented a **change-tracking feature** using Papertrail to log modifications across database models, aiding in **diagnosing issues** and ensuring effective **maintenance** and **problem resolution**.
- Designed and developed a **comprehensive learning platform** with articles, videos, and quizzes, enhancing employee skill acquisition and job performance.

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

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

University Budget Management

March 2023 - July 2023

- Collaborated with a team to execute web development projects, utilizing **Agile methodologies** to streamline workflows and improve **project delivery times**.
- Contributed to the implementation of an **algorithm for budget management** that dynamically calculates departmental budget shares, **enhancing resource allocation** and ensuring operational efficiency.
- Developed a **RESTful API** using JavaScript to provide reliable access to **academic resources** and **budget history**, improving user accessibility and experience.

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