

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- Implemented a **multi-staging deployment process** by transitioning from an outdated strategy to a modern workflow with **pre-production** and **production** stages, enhancing delivery efficiency and minimizing downtime.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

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| 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 |
| Database | Rails Hotwire , Pnpm Monorepo , Next Turbo , Firebase , Kafka , Elastic Search |
| Version Control and CI/CD | MySQL , MongoDB , PostgreSQL , Redis |
| Testing Practices | Git , GitHub , GitHub Action |
| Artificial Intelligence | Unit Testing (Jest / RSPEC) , Functional Testing (Cypress / Capybara) , Regression Testing (Puppeteer) , Integration Testing (Supertest, Postman) |
| Methodology and Standards | Open AI , ChatGPT-4 , Claude 3.5 , Copilot , Midjourney , RAG , LangChain |
| | Agile , SOLID , Design Pattern , Clean Code , Distributive System , Serverless |

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

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| 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](#)