MOUAD IMAM

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Full-stack software engineer with 2+ years building scalable web applications and healthcare systems. Experienced in collaborating with cross-functional teams, implementing CI/CD pipelines, and delivering solutions that serve 5000+ daily users across multiple industries.

Experience

Timlead   Morocco
Software Engineer   Jul. 2024 - Present

- Built dynamic templating system reducing development time to half for new features, collaborating with product managers to define entity relationships and API specifications
- Migrated legacy deployment pipeline to modern CI/CD workflow with Docker containers, reducing build time from 15 to 4 minutes improving team velocity
- Developed ticket management platform serving 100+ ISP agents, implementing real-time updates and equipment lifecycle tracking with 99% uptime

Radiology Information System (RIS) - Mibtech   Morocco
Software Developer & Systems Analyst   Fev. 2025 - Mai. 2025

- Interviewed radiology technicians and medical staff to gather requirements for a Radiology Information System (RIS), translating needs into technical specifications and system diagrams
- Researched and compared multiple modality integration solutions based on usability, scalability, and DICOM compliance to select the optimal approach for connecting medical imaging equipment
- Developed and implemented the complete RIS workflow from patient scheduling to radiologist analysis and report generation, ensuring complete examination lifecycle management

Humaneo - Mibtech   Morocco
Software Developer   Aug. 2023 - May. 2025

- Developed automated scheduling system with constraint optimization algorithms, reducing manual planning time by 60% while ensuring compliance with labor regulations
- Optimized CI pipeline reducing build time from 10 to 6 minutes (40% improvement), enhancing deployment velocity and team productivity
- Implemented a flexible Mailing system that alerts users in real-time when actions involving their input are needed, enhancing responsiveness across teams
- Built comprehensive learning platform with video streaming, quiz engine, and progress tracking, serving +100 employees

Projects

ProdLoger - Intelligent Log Management Platform   Morocco
Academic Project - Master's Thesis (FSAC)   Feb. 2025 - Jul. 2025

- Developed an intelligent platform for real-time log analysis and anomaly detection using deep learning models (BiLSTM architecture)
- Achieved processing speed of **120,500 logs/second** with precision of 82.76% and recall of 93.31%
- Implemented CI pipeline with GitHub Actions to automate load testing and ensure deployment stability
- Designed scalable architecture using Docker Compose, with planned migration to Kubernetes for production readiness
- Proposed future enhancements including Transformer-based models (BERT/RoBERTa) and automated hyperparameter optimization

Skills

Languages: JavaScript/TypeScript, Python, PHP, Ruby, SQL, Bash
Frameworks: React/Next.js, Express, Laravel, Ruby on Rails, NestJS, Tailwind, Redux
Databases: MySQL, MongoDB, PostgreSQL, Redis, Firebase, Elasticsearch
Cloud & DevOps: Docker, Kubernetes, CI/CD, Google Cloud, AWS, Vercel, Heroku, GitHub Actions
Testing: Jest, RSpec, Cypress, Postman, Supertest, Puppeteer

Education

University of Hassan II, Casablanca   Morocco
Master's in Big Data & Cloud Computing   2023 - 2025

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