KHAMRI Achraf

Revolutionizing IT by putting the user at the heart of innovation

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Profile

An engineer passionate about technology and creating innovative solutions that make people's lives easier.

Languages

English: Bilingual (TOEIC: 990)
French: Bilingual (TCF: C2)
Arabic : Native

Skills

Programming Languages
Python, Java, Javascript (TS)

Architecture
SOA, Microservices, MVC

Modeling
UML, BPMN

APIs
REST, Websockets

Frontend Dev
React, Nextjs, Tailwind

Backend Dev
Spring, Nextjs, Express, Flask, FastAPI

Databases
Postgres, MongoDB, Firebase

DevOps
Git, Linux, Docker, Jenkins, Github Actions

Automation
Ansible

Certifications

- Professional Scrum Developer
- Microsoft Certified: Power BI Data Analyst Associate
- ITIL 4 Foundation Certificate in IT Service Management
- Six Sigma Yellow Belt
- IBM Enterprise Design Thinking Practitioner

REVELANT EXPERIENCE

TECHNO-FUNCTIONAL CONSULTANT
DXC CDG, since February 2022, Rabat

Software Engineer | ASR | Nederland (current)
Keywords: MDD, Architecture, SOA, Java

- Gather and document business and technical requirements with stakeholders.
- Analyze and review existing architecture to identify improvement areas.
- Evolve software architecture to meet emerging client needs.
- Participate with development teams in integrating architecture.
- Design and implement unit, functional and SMOKE tests.

Software Engineer | Carrefour | France
Project: API Migration
Keyworkds: REST API, CI/CD, Flask, FastAPI, Jenkins, Ansible

- Participated in a large scale migration effort of all Carrefour codebases from Bitbucket to GitLab, involving significant reengineering.
- Rewrote customer request management APIs, environments, and cloud configurations.
- Solved functional incompatibilities between the two platforms (Bitbucket/Gitlab) with innovative solutions.
- Designed and improved Jenkins CI/CD pipelines for API testing and deployment on GCP.
- Implemented automated unit and end-to-end tests with Ansible.
- Created build, test, and deployment pipelines for GCP with Jenkins.

Fullstack Developer | Agence de Développement du Digital | Morocco
Project: Internal Web Portal for Service Request Management
Keywords: SOA, React, MUI, Express, NodeJS

- Drafted and validated detailed functional specifications.
- Authored technical architecture documents.
- Developed application using React, Express, and MongoDB.
- Implemented unit and functional tests to ensure application quality.
- Containerized and deployed the application in the client's datacenter.
- Created user guides and an adoption plan to facilitate transition to the new application.

Consultant en Gouvernance IT Junior | Agence de Développement du Digital | Morocco
Project: Change Management for Comprehensive Governance Plan
Keywords: COBIT, ITIL, Change Management, BPMN

- Participated in existing system analysis.
- Modeled, analyzed, and identified pain points in business processes.
- Clearly defined stakeholder roles and responsibilities.
- Applied COBIT and ITIL frameworks, along with DXC best practices, to improve existing processes.
- Formalized a comprehensive governance plan, defining steering committees, SLAs, and performance indicators.
- Authored templates and reference documents.

Data Analyst Intern | Projet de fin d'études
Project : Predictive Solution for Bid Outcomes
Keywords: CRISP-DM, Machine Learning, Python, PyQT

- Executed CRISP-DM methodology steps to build a predictive model.
- Deployed the model in a desktop application.
- Implemented a continuous improvement function for the model to adapt and learn from emerging data.

PERSONAL PROJECTS

Medicon
A medical practice management platform with AI assistance. Built using Nextjs and Postgres and different AWS services (S3, RDS, Cloudfront).

PDF Inspector
A desktop application for optical character recognition (OCR) on PDF files to extract information based on keywords. Built using Python, tesseract and deployed with Electron.

EDUCATION

State Engineering Degree – Innovation & AMOA
Institut National des Postes et Télécommunications (INPT), Rabat 2019-2022

Preparatory Classes (MP)
Lycée Moulay Youssef, Rabat 2017-2019