MERZAK YOUNESS

SEEKING A NEW OPPORTUNITY

As recent graduate from Ibn Tofail University, I am excited to begin a new professional journey in software development. My passion, determination, and skills will help me successfully drive new projects forward.

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PROFESSIONAL EXPERIENCE

Full stack Developer - ALX Africa
2023 - 2024

- Developing projects from inception to production, following agile practices.
- Defining user stories, then translated them into actionable features for development.
- Creating flowcharts and designing data model diagrams (SQLBDM) to visualize the project workflow and manage data.
- Working within architectural frameworks to ensure project alignment.
- Following the MVP (Minimum Viable Product) approach to focus on delivering the core functionalities.
- Developing mockups to visualize key features and gather early feedback.
- Writing unit tests for JavaScript using Jest and for Python using Unittest to ensure code quality and reliability.
- Using Git as version control for collaboration, and managing pull requests for code review.
- Designing secure and monitored web infrastructure diagrams to visualize data flow (Eraser).
- Configuring web and application servers, implementing firewalls, and integrating load balancers for optimized system performance.
- Monitoring servers using Datadog and documenting incidents through postmortem reports to improve resilience.

Freelance Web Developer
2022 - 2023

- Creating and customizing e-commerce websites for clients using WordPress and WooCommerce.
- Integrating payment gateways.
- Designing responsive and SEO-friendly websites to optimize user experience and search engine visibility.
- Providing ongoing maintenance, updates, and troubleshooting for client websites.

Agricultural Entrepreneur
2021 - 2023

- Initiation and management of an agricultural project in partnership, focused on leasing fertile land for the production of diversified crops.
- Development and implementation of agronomic practices, centered on optimizing crop nutrition and establishing phytosanitary protection measures.
- Supervision of an agricultural workforce, with a focus on task organization and optimizing work efficiency in the field.
- Experience in resource management and agricultural planning to enhance productivity and operational efficiency.

Internship at AHRAM INGENIERIE (3 months)
2019 - 2020

- Creation of applications using Visual Basic macros and database manipulation.
- Building sanitary water supply.
- Evacuation of wastewater, sewage and rainwater.
- Dimentioning septic tanks and sewage slopes.

Final year internship at IBN TOFAIL University

2018 - 2019

- Mathematical and numerical modeling of Saint-Venant equations: Case Study of flood wave propagation. "Development of Matlab code for this study."

IT SKILLS

Web: HTML, CSS, WordPress.
Language: Javascript, Python, C.
Framework: ExpressJs, ReactJs, Flask.
Testing: Jest, Unittest, Mocha, Chai, Sinon.
IDEs: Visual Studio Code.
DBs: MongoDb, Mysql, Redis.
Version Control & DevOps: Git, GitHub, Docker.
API & Documentation: Swagger, Postman.
CLOUD: AWS EC2, Google Cloud

LANGUAGE SKILLS

French: Proficient.
English: Proficient.
Arabic: Native language.

ACADEMIC EDUCATION

Holberton School

2023 - 2024
Software Engineering

IBN TOFAIL University

2016 - 2019
Master's in Energy and Fluid Mechanics

IBN TOFAIL University

2011 - 2014
Bachelor's Degree in Energy and Materials

Hassan El Wazzani High School

2010 - 2011
Baccalaureate in Physical Sciences

HOBBIES AND INTERESTS

Fit´Palmes
Classical Guitar
Video Games