

# El Mehdi Benane

## Software Engineer

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## PROFIL

I am an experienced software engineer, recognized for my innovative ability to solve problems and my track record of delivering cutting-edge solutions in artificial intelligence, system enhancement, and UX optimization. Skilled in orchestrating the integration of complex architectures and implementing robust security measures. An expert in creating intuitive interfaces and leveraging data-driven insights to drive business growth.

## PROFESSIONAL EXPERIENCE

### FULLSTACK SOFTWARE ENGINEER POLYCONSEIL

01/2023 - PRÉSENT

#### ALIVIA : Generative Artificial Intelligence (alivia.app)

- Integrate the multi-agent (LLM) system with the entire product architecture.
- Implement JWT authentication architecture to secure API access.
- Redesign the UI of the web application.

#### PONGO : Improvement of the Information System

- Design and implement architecture for automatic billing system.
- Collect and transform client data using public APIs.
- Enhance the display of images stored on S3 with face detection.
- Implement integration and end-to-end testing.
- Assume a leadership role in a team of 5 developers.
- Onboard and mentor junior developers to enhance their skills.

TOOLS : REACT DJANGO NODEJS GRAPHQL PRISMA POSTGRESQL GITLAB-CI KUBERNETES DOCKER AZURE AWS

### SOFTWARE ENGINEER ATOS - EVIDIAN CYBERSECURITY

09/2021 - 08/2022

- Manage end-to-end a Role Mining project :
  - Define the project roadmap.
  - Create features and user stories for the product.
  - Design and implement the project's technical architecture.
  - Optimize access models and enhance security through Machine Learning.
- Collaborate with Business Owners to better meet customer requirements using agile.
- Document the functionalities of the developed systems.

TOOLS : PYTHON FLASK SCIKIT-LEARN JIRA ANGULAR JAVA QUARKUS GITLAB CENTOS DASH PLOTLY DOCKER ELASTICSEARCH

### SOFTWARE ENGINEER CODINF SERVICES (CODINF.FR)

09/2020 - 08/2021

- Design and build the company's V2 web application and website for improved UI/UX.
- Implement new features for the SaaS to attract new subscribers.
- Integrate robust APIs for 99.99% service availability.
- Collaborate with the CEO to address customer needs.

TOOLS : PHP JAVASCRIPT JQUERY MDB MYSQL TRELLO ELASTICSEARCH

### SERIOUS GAME DEVELOPER CIDFF MARNE - AMJE

12/2019 - 12/2021

- Develop an educational game for secondary and middle school students, engaging 400 players in career exploration.
- Implement a robust CI/CD pipeline for deployment on 3 platforms (Web/Android/iOS).
- Host a workshop with middle school students to refine the requirements.
- Welcome feedback from teachers and students for continuous improvement of the game.
- Ensure the product's ongoing operation.

TOOLS : UNITY C# .NET PHP MARIADB JAVASCRIPT WEBASSEMBLY BLENDER PHTOSHOP

## EDUCATION

### GENERAL ENGINEERING

#### INNOVATION MANAGEMENT

#### ARTS ET METIERS PARITECH

09/2018 - 08/2022

### PREPARATORY CLASSES

#### LYDEX BENGUERIR

08/2022 - 09/2018

## SKILLS

### PROGRAMMING

TYPESCRIPT PYTHON JAVA C#

PHP

### FRONTEND

REACT NEXTJS ANGULAR JQUERY

VANILLA JS

### BACKEND

DJANGO FLASK NODEJS PRISMA

PHP QUARKUS JAVA C# .NET

### AI/ML

LLM SOLUTIONS RAG SCIKIT-LEARN

TENSORFLOW DEEP LEARNING

COMPUTER VISION

### DATABASE

POSTGRESQL ELASTICSEARCH REDIS

MONGODB AI SEARCH QDRANT

### TESTING

JEST PLAYWRIGHT UNITTEST

### DEVOPS

AZURE DEVOPS GITLAB CI KUBERNETES

DOCKER JENKINS

## LANGUAGES

### ENGLISH

BILINGUE



### FRENCH

BILINGUE



### ARABIC

BILINGUE

