




# DJENNANE ISLEM

## Software Engineer

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## EXPERIENCE

### Full Stack Software engineer

#### Pentabin

 June 2022 - Now       Oran, Algeria

- Contributed to the development of a direct store delivery app, which assists businesses in organizing and managing product deliveries to multiple clients nationwide.
- Designed and developed intuitive user interfaces with Vue.js, which lead to customer satisfaction and great user experience.
  - Optimizing REST API endpoints and MySQL databases which lead to improved performance, user experience and also minimal hosting costs.
  - Deploying applications to AWS, utilizing services like AWS S3, Cloudfront, Ec2, VPC, Rds, AWS lambda..., and implementing cost-effective strategies to minimize hosting expenses.
  - Implemented unit and feature testing methodologies which lead to better software quality, minimal bugs and faster feature delivery.
  - Utilizing Continuous Integration/Continuous Deployment (CI/CD) pipelines with GitHub Actions for streamlined development workflows.
  - Collaborating cross-functionally to build new API endpoints with Laravel, catering to the needs of both web and mobile applications.

## PROJECTS

### Swarm Robots Self Shape Formation With Reinforcement Learning: Master's Degree Final Year Project

I have worked on training a group of robots to form some geometric shapes using reinforcement learning algorithms (DDPG Algorithm), the robot operating system (ROS) and the Gazebo Simulator. I have learned to train actor critic deep neural networks, used geometry to solve some problems related to robots navigation, and finally implementing my solution in python.

### Network Attack Visualization With ELK stack: Bachelor's Degree Final Year Project

I have worked on deploying a system for network attack visualization using the ELK stack. I used the Suricata IDS to generate logs and network alerts, installed Filebeat to collect the logs, Logstash for log processing, Elasticsearch for storing the data and finally Kibana to visualize different metrics , logs and alerts.

## SKILLS

Javascript    Vue Js    PHP    Java    Python

Laravel    Node.JS    Flask    MySQL    MongoDB    Docker

AWS    GitHub Actions    NGINX    CI/CD    Linux

Sklearn    Tensorflow    Keras    Reinforcement Learning

Machine Learning    Algorithms & Data structures    Math

## ABOUT ME

A software engineer with a Master's degree in artificial intelligence and computer science. My career is focused on developing innovative solutions using cutting-edge technologies. I specialize in developing innovative web applications using mainly Php, Laravel and Vue.js. My technical expertise also spans AI, machine learning, Docker, and cloud computing with AWS. However, I'm always open to working with other technologies and programming languages and have the ability to grasp strong concepts quickly. Beyond my technical skills, I am dedicated to fostering effective communication and collaboration within teams, ensuring that projects are delivered on time and exceed expectations.

## EDUCATION

### Master's degree in CS, Artificial Intelligence

Oran University of Science and Technology - Mohamed Boudiaf

 September 2021 - June 2023

### Bachelor's degree in CS, Information

Oran University of Science and Technology - Mohamed Boudiaf

 September 2018 - June 2021

## CERTIFICATES

- AWS Academy Cloud Foundations Badge
- Docker and Kubernetes: The Practical Guide-Udemy

## LANGUAGES

Arabic      ●●●●●

English      ●●●●●

French      ●●●●●