



## MOHAMMED CHARRAOUI

### Consultant Cloud & Devops

✉ chaaraoui441@gmail.com  
🔗 mohammedhank91.github.io  
📍 Moroccan  
☎ +212 659-226281

## Assets

### Autonomie

I am able to work independently, make decisions and solve problems independently.

### Team spirit

I have the ability to work with others, communicate effectively and resolve conflicts.

## Languages

**Arabic**  
maternelle

**French**  
courant

**English**  
courant

## Cloud

Azure (2ans)

GCP (1ans)

AWS (1ans)

## Certifications

**Azure Microsoft**  
DP-900 Microsoft Azure Data Fundamentals Certification

**AWS**  
Cloud Practitioner

System administrator and web developer passionate about innovation and technical solutions, I am always looking for challenges to put my skills at the service of ambitious projects and contribute to their success

## Education

### Technician specialized in computer development

From 2018 to 2020

Specialized Institute of Applied Technology Lazaret Oujda

### Bachelor of Life and Earth Sciences

From 2016 to 2017 larbi el houssaini Oujda

## Work experience

### Devops & Cloud Consultant

Since May 2021 Cloutechio Oujda

As a Cloud Consultant at Cloutechio, I have worked with organizations to advise them on adopting Cloud technologies, implementing DevOps practices, and optimizing cloud resources for cost and performance. I gained deep skills in designing and implementing cloud-based solutions to deliver high quality software products.

My primary responsibilities included:

- Advising customers on the benefits of cloud computing and helping them choose the right cloud solution for their needs.
- Design and implement Cloud solutions to meet customer needs, using technologies such as AWS, Azure, Google Cloud, Kubernetes, Docker and Jenkins.
- Develop DevOps strategies to improve operational efficiency for customers.
- Optimize customer cloud resources in terms of cost and performance. Ensure smooth operation of systems and infrastructure.

### Developer Web

From June 2020 to July 2021 ALGOLUS Oujda

As a web developer at Alogolus, I worked with a team of three people to create websites for our clients. I participated in two key projects:

- Development of a CMS for portfolio creation: I worked on this project with my team to create a simple and intuitive CMS that allows users without web development knowledge to create their own online portfolio. I was responsible for the development part using PHP.
- Project for a web agency: I worked on a project for a web agency as a web developer. My role was to create websites for the agency's clients using PHP, HTML, CSS and JavaScript.

## CI/CD

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### Azure Devops

- Azure Pipeline

### AWS Code

- Code build
- Code Deploy
- Code Pipeline

### Bitbucket Pipelines

### Gitlab CI

### ArgoCD

### Drone CI

### Jenkins

## Server administration

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### Linux

### FreeBSD

### Windows

## Programming

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### PowerShell

### Bash

### Python

### Ado.Net

## Web development

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### PHP

### MySQL

### Symfony

### WordPress

## Social networks

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 @chaaraoui-mohammed

 @mohammed-chaaraoui

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## Interests

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- Foot-Ball
- natation
- Music
- Photographie

## Skills

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### Commitment to continuous learning

Active participation in professional development activities such as conferences and training programs. Strong commitment to staying current with new technologies and industry trends. Passion for learning and staying current with emerging technologies.

### Design and implementation of cloud-based solutions

Strong understanding of Cloud application architectures and how they can be implemented in the cloud. Successful experience in migrating on-premises applications to the cloud and designing resilient resilient and scalable cloud-based solutions.

### Expertise in cloud technologies and platforms computing

Experience using various cloud services such as compute, storage and networking.

storage and networking. In-depth knowledge of cloud architectures Cloud, including serverless and microservices architectures. Ability to manage cloud resources and deploy applications in the cloud using tools such as Terraform, Ansible and Jenkins.

### Experience with containerization technologies

Strong experience in implementing containerized solutions and containerization principles and best practices. Demonstrated experience using Docker, Kubernetes and managed cloud services (AKS, EKS, ACI, Fargate, ECS). Ability to design containerized solutions that are secure, scalable and resilient.

### Implementation of DevOps practices and tools

Experience in setting up continuous integration/continuous delivery (CI/CD) pipelines. Strong knowledge of version control systems such as Git and Infrastructure as Code (IAC) principles. Ability to write Infrastructure as Code (IAC) using tools such as Ansible or Terraform. Proficiency in DevOps practices to improve collaboration and efficiency of development and operations teams.

### Optimization of cloud resources

Experience with cost optimization strategies and performance optimization techniques such as scaling and load balancing. Ability to monitor Cloud resources and identify areas for improvement. Hands-on experience in optimizing Cloud resources for cost and performance.

## Realized projects

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### DevOps & Cloud Consultant at Octopeek :

- Ensured the daily administration of the system and the automation of the infrastructure.
- Performed ETL.
- Performed infrastructure monitoring and MCO.

### Web Scraping project at Bouygues Telecom :

- Developed a Python script using the Selenium library to retrieve data from the Bouygues Telecom website and place them in CSV files.

### MLOps project at DigitRE:

- Automated the Machine Learning lifecycle, from data preparation to model deployment in different environments.
- Used the following Azure services: Azure Kubernetes Service (production), Azure Container Instance (Dev, QA), Azure Container Registry (to host the Docker image of the model), Azure Pipeline (for model reprocessing and CI/CD), and Azure Monitor (to monitor the performance of the different environments and send alerts in case of anomalies).