

Mohamed El Mouctar HAIDARA

Cloud and Automation/DevOps Engineer

Paris - France

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Work Experiences

10/2019 - Now



Cloud and Automation Engineer at GrtGaz, Courbevoie, France.

Within the RIO program at GRTgaz, a program aiming at rewriting legacy applications using cloud native services, I'm working on various subjects in the System Team made up of 10 people:

- Deployment and monitoring of AWS services: ECS, MSK, MQ, Transit Gateway...
- Support to developer teams on AWS services, DevOps and Terraform.
- Standardization of GitLab CI pipelines by providing some reusable templates.

06/2019 - 10/2019



Software and Automation Engineer at Airbus Helicopters, Marignane, France.

I worked on integrating aircraft data to Airbus Information System in order to analyze their behavior and identify potential risks.

- **Serverless** pipeline development with Lambdas and S3 to ingest sensors data (XML and CSV files): cleaning, transformation, units conversion and validation of the data.
- Python application designing to be highly extensible for future data sources.
- Project architecture review.
- CI/CD of the project: Gitlab CI, Terraform. Unit testing with Pytest and Moto.

01/2018 - 10/2019



Cloud and Automation Engineer at Veolia Water Technologies - VWT, France.

Worked on different projects at VWT as a cloud architect and developer with a distributed team around the world (India and Canada):

- Serverless applications development with Lambda, API Gateway and Cognito. Development of an Angular application to perform CRUD operations on a DynamoDB table.
- Application deployment automation with Terraform, Travis and Apex. Behavior Driven Development with Behat and unit testing with Pytest and Moto.

01/2018 - 06/2019



Cloud and DevOps Consultant at Veolia Water Information System - VWIS, France.

I designed and implemented a **software factory** on AWS within VWIS. Jenkins, Artifactory and Bitbucket Cloud were part of this software factory:

- Use of Docker containers as Jenkins ephemeral agents on an ECS cluster.
- Dogfooding by using the software factory to deploy the software factory.
- Support to chapters on their industrialization process: CI/CD best practices and GitOps.

09/2017 - 01/2018



DevOps Consultant at Deveryware, Paris, France.

Deveryware, an expert in real-time geolocation, uses Ansible, Terraform and Jenkins to deploy their application to their OpenStack cluster on OVH. I was in charge of:

- Upgrading and optimization of Ansible playbooks using best practices.
- Developing a graph generator for Ansible: [Ansible Playbook Grapher](#). **It's now referenced in the Ansible official documentation.**

Since 09/2017



Cloud and Automation consultant at D2SI, Paris, France.

As a consultant at D2SI (now Devoteam Revolve), I took various roles and missions with several clients:

- Helping companies to implement CI/CD and migration to cloud.
- Participation in events in partnership with AWS: AWSomedays.
- Technical interviewer.

2017 (6 months)



End of Study project - DevOps engineer at Electricity of France, Paris, France.
Contribution to the DevOps service offering of the DataCenter department of the French electric utility company:

- Collection of end-user needs, writing of functional and technical specifications.
- Building of system to continuously collect metrics from various services using Python scripts and InfluxData Telegraf to push them to InfluxDB, a time series database.
- Writing Ansible Playbooks to set up my workspace.

This project allowed the group to have greater visibility on their entire DevOps platform.

2016 (4 months)



Full-stack software engineer intern at Casino Group (CIT), St-Étienne, France.

Successfully upgraded a Java EE 7 application that generically supplies all tables of a relational database management system from CSV files. During these four months, I:

- Wrote functional and technical specifications.
- Upgraded the backend and frontend (Jquery) of the applications using Casino Java proprietary frameworks.
- Acceleration of business processes at the end of the internship.

The result of my project was the acceleration of some of the group's business processes.

03/2016 - 02/2017



Independent consultant at Statix Sarl, Bamako, Mali.

In part-time, I developed web sites and integrated ERPs. I am the principal developer of vaalala.com (first platform for calculating customs clearance fees in West Africa). My main missions were:

- Integration of Odoo, an OpenSource EPR. Specific modules development.
- Backend (Django) and frontend (Angular) development with Django Rest Framework and Angular. CI/CD using Gitlab CI and Jenkins.
- System administrator: Nginx and Let's Encrypt Certificates management, updates.

2015 (3 months)



Software engineer intern at Oracle Corporation, Grenoble, France.

Designed and developed some tools to facilitate the development of Java applications using REST APIs. The focus was on the Oracle Unified Directory. Developed an Android application as a POC using my developed SDK.

2015 - 2016

Communication manager, *Association Afrique-Antilles (Kwanza'a)*, INSA Lyon.

Management of digital identity and creating poster for events of the African students association in my school: Kwanza'a

Education

2016 - 2017



Exchange semester at Chalmers University of Technology, Gothenburg, Sweden.

Spent 6 months as an exchange student at one of the best engineering school in Sweden. Courses: algorithms, distributed systems, intellectual property, model driven development.

2014 - 2017



Master of Engineering in computer science at The Institut National des Sciences Appliquées de Lyon, Villeurbanne, France.

3 years of engineering in of the best engineering school in France.

2012 - 2014

1st and 2nd years of Bachelor of Science in mathematics and computer science at Lyon 1 University, *Lyon*, France.

2012

French secondary school diploma in mathematics and physics, *Bamako*, Mali.
Equivalent of a A-levels **with honors**.

Computer skills

Languages and frameworks

Python (Django, Pytest, Moto), HTML5/CSS3, Typescript, \LaTeX , Bash, Angular 5+, AWS Chalice.

Tools

Ansible, Git, Terraform, Packer, Jenkins, Docker, Travis CI, Vagrant, GitLab CI.

Certifications

- 12/2017 **AWS Certified Solutions Architect - Associate** .
[Verification link](#)
- 12/2018 **AWS Certified Developer - Associate.**
[Verification link](#)
- 12/2018 **AWS Certified Cloud Practitioner.**
[Verification link](#)
- 06/2019 **AWS Certified SysOps Administrator - Associate.**
[Verification link](#)
- 06/2020 **HashiCorp Certified: Terraform Associate.**
[Verification link](#)
- 06/2021 **GitLab Certified Associate.**
[Verification link](#)

Languages

English ★★★★★

Arabic ★★★★★

French ★★★★★

Bambara ★★★★★

Interests

Football, Cinema, Personal development, Nonviolent Communication

Video games PS4, Fifa, Adventure games