

Wasim Douri | AWS DevOps Engineer

👤 Profile:

A skillful and self-organized DevOps engineer with experience of developing Infrastructure as a Service and CI/CD platforms.

Having been a Computer Science lecturer for 19 years, I am now looking to move into a hands-on role within industry. I've recently completed an MSc in Internet and Security as well as completed online DevOps courses covering AWS including different tools like Docker, Jenkins, Ansible and Terraform.

In addition, I have also completed a number of personal DevOps projects, some of which are highlighted below. I am competent with Java and Python scripting languages. I am looking to join an organization that will allow me to further develop my interest in these areas.

📁 Projects:

- Project (1): **Using Jenkins, Docker and GitHub as version control to create a CI/CD pipeline.**

➤ <https://github.com/WasimDouri/JavaAppnew>

This Java Application was published and tested using AWS EC2 Ubuntu instance and Security Group management. The project uses web hooks to manage code version control on GitHub. Furthermore, security check using SonarQube was applied before creating Docker image deployed by Jenkins Master automation.

- Project (2): **Using Docker with Nginx web Server.**

➤ <https://github.com/WasimDouri/ecommm>

Created a Web Application deployment pipeline using Nginx on EC2 Ubuntu instance. The project focused on installing Docker, Nginx web server, configuring AWS Security Groups and servicing the application

- Project (3): **Using Apache HTTP Server to deploy Bookstore application.**

➤ <https://github.com/WasimDouri/php-lap>

The project uses PHP, Apache web server and MySQL database server installed on AWS Centos OS instance. The source code is stored and imported from GitHub. Moreover, Command line was used to establish MySQL connection and create the database, tables and queries.

- Project (4): **Using Terraform to configure infrastructure and manage resources with Amazon Web Services (AWS).**

➤ <https://github.com/WasimDouri/terraform>

This project uses Terraform to create AWS instance, and manage resources like VPC, Firewall and gateway.

✉ Details:

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- ✓ No Sponsorship required.
- ✓ Full UK Driving License.
- ✓ Ready for Reallocation.

📋 Technical Summary:

- **Version Control and Collaboration:** I am adept at utilizing **Git** and **GitHub** for efficient version control and collaborative code management. This expertise enables seamless team collaboration, version tracking, and effective code review processes.
- In-depth knowledge of wide **Amazon Web Services (AWS)** such as EC2, VPN and DNS beside a strong understanding of AWS well-Architected framework.
- Proficient in **containerization**, excelling in creating Dockerized environments that enhance portability and consistency across development, testing, and production stages.
- Utilizing **Jenkins**, I can establish automated **CI/CD** pipelines that integrate code changes seamlessly, run tests, and deploy applications to various environments, enabling rapid and reliable software delivery.
- Adapt at designing **Kubernetes** clusters, configuring deployments, services, and networking for optimal resource utilization.
- My familiarity with **Terraform** allows me to define and manage infrastructure using code, ensuring consistent and reproducible infrastructure provisioning across **AWS**.
- Through **SonarQube**, I enforce code quality and security standards, identifying and addressing potential vulnerabilities and maintaining high-quality codebases.
- Good knowledge of **Ansible** enables me to write **playbook** files using different **modules** to connect with targeted servers, achieve multiple **tasks** and manage **services**.
- Furthermore, I am proficient in **Prometheus** and **Grafana**, the Two powerful tools that play a pivotal role in **monitoring** and **observability** within complex software ecosystems.

📄 Certifications:

- AWS for DevOps continuous Delivery & Process Automation– CompTIA 2024
- AWS Certified Solutions Architect Associate SAAC03– LinkedIn learning 2024

Moreover, it uses user data to execute a script that install Nginx and clone a repository.

- Project (5): **Using Prometheus and Grafana monitoring**

➤ <https://github.com/WasimDouri/prometheusGrafana>

This project uses Prometheus and Grafana to monitor an application deployed on Node exporter and visualize the Matrix data. The project also uses PromQL to write queries.

- Project (6): **Using Ansible to configure Three different OS servers**

➤ <https://github.com/WasimDouri/Ansible>

The project shows how to configure different groups of web servers using Ansible modules. Moreover, the project uses logical playbooks to execute multiple tasks on selected servers.

Many AWS services were used in projects like Amazon IAM to grant fine access of AWS resources to users. Also managed roles and permissions of users to AWS account through IAM.

Integrated GIT into Jenkins to automate the code check-out process was also applied.

Work experience:

- Title: Senior lecturer in Computer Science department- Qassim University-KSA 2003-2022.

- Responsibilities:

- Offer lectures online and in-person by use of well designated presentations and tailored communication skills to motivate students.
- Contribute in course preparation and development.
- Supervise student's graduate projects specially related to networking and programming.
- Marks and moderate examinations.

- Subject taught:

- Operating Systems
- CCNA CISCO Networking
- Distributed Systems
- Web Programming
- JAVA Programming

- During this period, I was leading a networking team who was responsible for continuous operation of Servers, Active Directory, performance optimization and security.

- Overtime work as trainer in University training Centre which offers a professional training in CISCO CCNA networking, Cloud computing and DevOps Amazon Web Services (AWS) such as EC2, VPC, IAM, ELB, S3, Route53 and EKS 2020-2022.

- DevOps foundation: your first project – LinkedIn learning 2023
- Learning Docker – LinkedIn learning 2023
- Learning Jenkins – LinkedIn learning 2023
- ICSI | CNSS Certified Network Security Specialist 2020
- Introduction to Cybersecurity – CISCO 2021
- CCNA CISCO 2004

Education:

- Master's degree focused in Internet and security from University of Northampton 2023.
- Graduation project label was “Policy Trend Prediction using Sentiment Analysis” where public reaction to specific events was utilized to automatically predict the trend in the UK policy. Machine learning algorithms and natural Language Processing (NLP) were used.
 - www.kaggle.com/code/wasimdouri/sentiment-analysis-project
- Master's degree in Computer Engineering 2003.
- Graduation project label was “design and deploy a portal for distance learning “ where Internet Information Services (IIS), Active Server Pages (ASP) and an expert system were used.

Links:

<https://www.linkedin.com/in/wasim-douri-87926529/>
<https://GitHub.com/WasimDouri>