

# Mahmoud Alakkad

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## OBJECTIVE

As a Computer Science graduate, I am looking for a Junior DevOps Engineer position where I can apply my knowledge and skills from my ongoing DevOps Engineering certification program at Simplilearn. I am eager to bring my understanding of Configuration Management using Ansible and Terraform, Docker, Kubernetes, and other DevOps practices to a dynamic team.

## EDUCATION

<b>Bachelor's Degree in Computer Science</b>	<b>2022 – 2025</b>
Lebanese International University	Saida, Lebanon
<b>Lebanese Baccalaureate in Sociology and Economics</b>	<b>2020 – 2021</b>
Mostafa Al-Zaatari Secondary School	Saida, Lebanon

## PROJECTS

### Web Application using Ansible July 2024

- **Achievements:** Create Infrastructure using Terraform on AWS, then configure those AWS instances using ansible (installing necessary package) and make them ready for web application deployment.
- **Tools used:** Ansible, Jinja2, Terraform

### Automating Infrastructure using Terraform: July 2024

- **Achievements:** Launch multiple EC2 instances using Terraform (IAAC), connect, and install java, python, and Jenkins. *(Within DevOps Engineering program by Simplilearn)*
- **Tool used:** Terraform, AWS account ( IAM user, security credentials, Keypair ).

### Build a Docker Jenkins Pipeline to Implement CI/CD Workflow: June 2024

- **Achievements:** Build a Jenkins pipeline that will pull the code every time a push happen, build a docker image using dockerfile located in the cloned code, push the image into Docker Hub, and then create a container out of that image. *(Within DevOps Engineering program by Simplilearn)*
- **Tools used:** Docker, Docker Hub, Git, GitHub, Linux (Ubuntu), Jenkins

### Deploy the Application Using the Kubernetes: August 2024

- **Achievements:** deploy a multi-tier PHP and MySQL application using Kubernetes with specific configurations for user roles, storage, service verification, namespace restrictions, quota limits, and data management. *(Within DevOps Engineering program by Simplilearn)*
- **Tools used:** Docker, Docker Hub, Kubernetes, kubectl, Linux (Ubuntu)

## CERTIFICATIONS

<b>DevOps Engineering</b> – Simplilearn <a href="#">view</a>	<b>Sep 30, 2024</b>
– DevOps Capstone Project <a href="#">view</a>	<b>Sep 15, 2024</b>
– Container Orchestration using Kubernetes <a href="#">view</a>	<b>Aug 21, 2024</b>
– Docker Certified Associate <a href="#">view</a>	<b>Aug 13, 2024</b>
– Configuration Management using Ansible and Terraform <a href="#">view</a>	<b>Jul 9, 2024</b>
– DevOps Certification Training <a href="#">view</a>	<b>Jun 28, 2024</b>
<b>Dean's Honor List</b> – <i>Lebanese International University</i> <a href="#">view</a>	<b>Spring 2024</b>

## EXPERIENCE

<b>Web Development Internship</b> <i>OpenTech</i>	<b>March 2024 – June 2024</b> Saida, Lebanon
<ul style="list-style-type: none"><li>● <b>Technical Requirements Gathering:</b> Gained expertise in discerning the technical requirements of business operations prior to project initiation.</li><li>● <b>PHP Proficiency:</b> Enhanced my proficiency in PHP through the development of a full-stack web application, utilizing both procedural and Object-Oriented Programming paradigms, that enrich me with debugging skills and writing clean code.</li><li>● <b>JavaScript Projects:</b> Constructed 10 mini-JavaScript projects, which significantly strengthened my understanding of JavaScript.</li><li>● <b>Clean Code Practices:</b> Learned and implemented clean coding practices, resulting in code that is easily comprehensible by team members.</li></ul>	

## SKILLS

- **CI/CD:** Hands-on practice in the principles and practices of DevOps, including continuous integration using **Jenkins**.
- **Configuration Management:** Hands-on experience with **Ansible** and **Terraform** during certification training.
- **Containerization and Orchestration:** Knowledge of **Docker** for containerization and **Docker Swarm** and **Kubernetes** for orchestration.
- **Version Control Systems:** Proficient in using **Git** for version control, including committing, branching, and merging code. Experienced in using **GitHub** for remote repository management, pull requests, and code reviews.
- **Linux:** Hands on practice with Linux (File system and use the terminal confidently) and web servers deployment on Linux based operating systems
- **Programming Languages:** Python, Bash, Java, PHP(Laravel).

- **System Administration:** Active Directory, File Sharing, DNS, DHCP, Windows Server 2019
- **Microsoft Office:** Proficient in Microsoft Word for document creation and formatting.

## LANGUAGES

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- Arabic (Native)
- English (Intermediate)