

Ashad Mohamed

DevOps / DevSecOps Engineer



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Casablanca, Morocco

Hi, I'm Ashad Mohamed, a highly motivated and self-disciplined DevOps/DevSecOps engineer with a strong background in cybersecurity and a passion for IT architecture. My journey in the world of technology and security has led me to become an enthusiast in both information security and psychology.

Professional Experience

Leyton – DevSecOps Engineer Intern

Jan 2024 - June 2024

- Integrated a DevOps approach using Jenkins, GitLab, Sentry, Grafana.
- Developed and integrated DevSecOps pipelines, incorporating security testing into the SDLC using tools such as SonarQube, Aqua Trivy, Secret Scanning, and Dependency Check.
- Developed a vulnerability management platform, DefectDojo, to centralize all reports and findings generated from security scans during DevSecOps pipelines.
- Created a vulnerability management dashboard to allow managers and team leads to track vulnerabilities found in the SDLC, monitor their status, and access detailed information about each vulnerability.
- Gained practical experience with DevOps and security tools:
 - Automated build and deployment processes using **Jenkins** and **GitLab CI/CD**.
 - Monitored application performance and security events with **Grafana**.
 - Conducted static and dynamic code analysis using **SonarQube**.
 - Performed container security scans with **Aqua Trivy**.
 - Implemented secret scanning to detect sensitive data exposures.
 - Checked for vulnerable dependencies with **Dependency Check**.
- Collaborated closely with development and operations teams to ensure seamless integration of security practices into the SDLC.

CYBERFORCE – Internship Penetration Tester

April 2022 - October 2022

- Conducted Multiple penetration testing on BMCE (BANK OF AFRICA) networks.
- Multiple vulnerability assessments for BMCE (BANK OF AFRICA) services.
- Assisted in writing comprehensive reports detailing findings, risks, and recommended remediation steps.
- Direct contact with clients, helped them remediate and fix findings.
- Gained practical experience with Frameworks and tools:
 - Performed various scans type on clients assets using **Nmap**.
 - Performed vulnerability assessments using **Nessus**.
 - Exploited various vulnerabilities using **Metasploit**.
 - Pentested various web applications using **BurpSuite**
- Collaborated closely with senior consultants to apply Linux/Windows hardening.

Skills

DevOps: Docker, Docker-compose, Kubernetes, Ansible, K3d, K3s, ArgoCD, Jenkins, Gitlab CI/CD, Grafana, Sentry, SonarQube.
Backend development: NestJs, SQL
Frontend development: HTML/CSS, VueJS, Reactjs/nextjs
Cyber Security: BurpSuite, Wireshark, Metasploit, Nmap, Nessus.
Industry 3D Design: Solidwork, Catia

Soft Skills

Disciplined: I am highly disciplined and dedicated to my work, ensuring that I consistently meet deadlines and deliver high-quality results.
Driven: I am a self-motivated and ambitious individual who is always eager to take on new challenges and learn from them.
Leader: As the President of the CyberSecurity club, I have experience in leadership, guiding a team, and organizing events successfully.
Teamwork: I excel in collaborative environments and am skilled in working effectively within a team, whether as a leader or a contributor.
Punctual: I take punctuality seriously and ensure that I am on time for all commitments, both personal and professional.
Communicative: I have strong communication skills, which help me convey ideas, collaborate with others effectively, and provide clear reports and recommendations.
Friendly: I maintain a friendly and approachable demeanor, creating a positive and engaging atmosphere for teamwork and interactions with colleagues and clients.

Languages

English, Tamazight, Arabic, German

Volunteer Experience

1337, Benguerir – CyberSecurity club President

October 2019 - PRESENT

- Founded and led **The Elites' Security** cybersecurity club in 1337, overseeing a team of motivated students in organizing events, competitions, and workshops.
- Designed and delivered educational sessions on secure coding, penetration testing, and the latest trends in cybersecurity.
- Collaborated with local industry experts to arrange guest lectures, providing members with real-world insights and networking opportunities.
- Organized a Cyber Week event featuring talks with experts, cybersecurity presentations, and a guided Capture The Flag (CTF) competition, engaging a diverse audience and fostering practical skill development among participants.

Education

1337 (42 Network), Benguerir – IT architecture expert

October 2019 - 2024

It's my passion for security and curiosity toward technology that brought me to 1337. It's a good place to learn self-taught and discipline to achieve greatness. In the past years in 1337, I acquired team spirit and leadership skills through several projects, apart from gaining an advanced mindset in programming and problem-solving.

Projects

Inception-of-Things (IoT): A project involving the setup of a Kubernetes cluster with CI/CD using ArgoCD and GitLab.

- Configured a lightweight Kubernetes cluster using K3s and K3d for efficient container management.
- Automated deployment of applications using ArgoCD, implementing GitOps for continuous delivery.
- Set up virtual machines and development environments with Vagrant, integrating Docker for containerization.
- Deployed and managed multiple applications within the Kubernetes cluster, utilizing kubectl for cluster management.
- Enhanced skills in Kubernetes, continuous integration, and deployment automation with ArgoCD and GitLab.

Cloud-1: Automated Deployment of Web Applications on Remote Servers with Ansible

- Automated deployment of web servers with services like WordPress, PHPMyAdmin, and a database using Ansible.
- Ensured data persistence, automated restart, and secure public access using Docker and Docker Compose.
- Configured services in separate containers for efficient inter-container communication and implemented TLS for security.
- Gained skills in cloud deployment, resource management, and using Ansible for automation.

BADASS: A comprehensive project focusing on network emulation with GNS3 and Docker, VXLAN configuration, and BGP EVPN implementation.

- **Tasks Completed:** Set up GNS3 with Docker, created and configured Docker images, implemented VXLAN for network segmentation, and explored BGP EVPN for efficient routing.
- **Skills Gained:** Enhanced understanding of network virtualization, dynamic routing protocols, and advanced network management techniques.