

Omar Eldanasoury

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Summary

Highly motivated and **security-conscious Master's student in Computer Science** with **2 years of hands-on remote experience as a DevOps Engineer**. Eager to leverage my practical expertise in **CI/CD, cloud infrastructure, Penetration Testing, Vulnerability Management**, and specifically my **strong application security mindset** in a dynamic role in DevOps, Cloud, and IT-Security domain(s).

Experience

Nobel Link | Remote - Part-Time, USA

DevOps Engineer | 05/2023

- Contributed to the development and maintenance of **over 15 CI/CD pipelines** using **GitLab CI/CD** and **Jenkins**, supporting **automated deployments** for **3 distinct microservices teams**.
- Assisted in **provisioning and managing cloud infrastructure** on **AWS** using **Terraform**, consistently maintaining **5+ development and staging environments** for critical applications.
- Participated in the integration of **SAST (SonarQube)** and **DAST (OWASP ZAP)** tools into **3 key development workflows**, contributing to the early identification of security vulnerabilities.
- Supported the management of **2 production Kubernetes clusters**, aiding in resource optimization that supported **over 50 containerized applications**.
- Aided in setting up and maintaining monitoring (**Prometheus, Grafana**) and logging (**ELK Stack**) solutions across **4 core services**, improving observability for the operations team.
- Collaborated with senior engineers on **security hardening initiatives** for **over 30 container images** and **cloud deployments**, directly contributing to the **mitigation of +20 identified vulnerabilities before production deployment**.

SANA For Programming

Software Engineer Intern | 01/2023 - 03/2023

- Contributed to the development of dentist clinic management system using **PHP Laravel**.
- Conducted security testing**, leading to **mitigation of critical vulnerabilities** including **Stored XSS**.
- Gained foundational understanding of software development lifecycle, **version control (Git)**, and **agile methodologies**.

Certificates

eCPPT (Professional Penetration Tester), HTB CPTS (Penetration Testing Specialist) [In Progress], ISC2 Certified in Cybersecurity, eJPT (Junior Penetration Tester), Google IT Automation With Python, IELTS Academic Band 7

Skills

DevOps Tools: Docker (Containerization), Kubernetes (Orchestration), Jenkins, GitLab CI/CD, ArgoCD, CircleCI, Terraform, Ansible, Prometheus, Grafana, ELK Stack, Github Actions, YAML, Helm.

Cloud Platforms: AWS (EC2, S3, Lambda, VPC, ECS, EKS, Elastic Load Balancing), Azure, GCP, Firebase, Google BigQuery.

Scripting/Programming: Python, Bash, Go, PowerShell, Java, PHP, JavaScript, TypeScript.

Security Tools/Concepts: Penetration Testing, Network Security, Vulnerability Management, Burp Suite, OWASP ZAP, Nessus, Nmap, Metasploit, JohnTheRipper, Ghidra, SAST/DAST, Threat Modeling, Security Audits, Identity and Access Management (IAM).

Design and Architecture: Understanding of scalable systems design and architecture principles.

Networking: Understanding of networking fundamentals, protocols, and Network Security.

Operating Systems: Unix/Linux, Windows, MacOS.

Version Control: Git (GitHub, GitLab).

Databases: SQL (PostgreSQL, MySQL, MariaDB, Oracle SQL), NoSQL (MongoDB).

Education

RPTU Kaiserslautern-Landau | Kaiserslautern, Germany

M.Sc in Computer Science

- Specilization: **Computer Security** and **Intelligent Systems**.
- Relevant Coursework: **Information Security Assessment and Operations**, **Machine Learning** Using **AWS**,.

University of Bahrain

B.Sc in Computer Science | 01/2025

- **GPA: 3.66 (rank: Excellent)**
- Former Core Team Member at University's Google Developer Students Club.
- **Senior Project:** Floral E-Commerce Application with **RAG Integration** for **Customer Product Recommendation**.

Languages

English C1, German A2, Arabic Native

References

Dr. Youssef Harrath | Associate Assistant Professor - **Dakota State University, USA.** [Linkedin Profile](#).

Links

[Personal Webiste and Blog](#): <https://omardanasoury.me> | [Linkedin Profile](#) + [Github](#) | [TryHackMe](#) + [HackTheBox](#)