

# Omar Ahmed

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## Summary

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Highly motivated and security-conscious **Master's student in Computer Science @RPTU** with **2 years of hands-on remote experience as a DevOps Engineer**. Eager to leverage my practical expertise in **CI/CD, cloud infrastructure**, and specifically my **strong application security mindset** in a dynamic Working Student role in DevOps, Cloud, and Security roles.

## Experience

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### 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**.

## Skills

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**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.

**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).

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

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

## Certificates

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eCPPT (Professional Penetration Tester), ISC2 Certified in Cybersecurity, Google IT Automation With Python, IELTS Academic Band 7

## Education

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**RPTU Kaiserslautern-Landau | Kaiserslautern, Germany**

**M.Sc in Computer Science**

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

**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

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English C1, German A2, Arabic Native

## References

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

## Links

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