Mohamed A. Fathy

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SUMMARY STATEMENT

Detail-oriented Jr. DevOps Engineer with expertise in DevSecOps and two years of experience in web application penetration testing. Committed lifelong learner with a passion for staying current with advancements in DevOps and cybersecurity. Creative problem-solver with a proven ability to analyze various solutions and select the most effective approach.

WORK EXPERIENCE

Software Security Tester Engineer Intern

Huawei, Cairo, EG   09/2022 – 11/2022

- Found hardcoded secrets, personal, sensitive data
- Done code review, Source code analysis or Static Application Security Testing (SAST)
- Done Dynamic Application Security Testing (DAST) using Burp Suite
- Done software component/composition analysis (SCA), Shift-left practice
- Automated 2 tasks using python
- Created one security testing report

Software Engineer Intern

Huawei, Cairo, EG   06/2022 – 09/2022

- Developed 11 web applications using model-view-controller (MVC) pattern, JavaScript, JQuery, HTML
- Configured 4 webservices using REST, WSDL, JSON, SOAP, YAML, XML
- Created 5 workflows with SLA and SLO
- Automated Huawei services that provided to customers
- Agile daily stand-up meeting

Bug Bounty Hunter – Application Security

HackerOne, Cairo, EG   01/2022 – 06/2022

- Mimicked top 10 skilled web applications Penetration testers

IP-Backbone Network Engineer Intern

Huawei, Cairo, EG   07/2019 – 09/2019

- Configured routers and switches of customers' network infrastructure
- Monitored network devices for any failure due to misconfiguration, temperature, memory

EDUCATION

Bachelor of Engineering, Computer | Helwan University, Cairo, EG   09/2015 – 09/2020

   Courses: Network Security, Information Security, Operating Systems, Software Engineering, Cryptography, Microcontroller, Microprocessor

SKILLS

Programming Languages: Python, C/C++, HTML, JavaScript, SQL, Bash, PowerShell

Technologies: Git, GitHub, GitLab, Cloud, Kubernetes, Docker, Jenkins, Terraform, RHCSA, Nexus, Ansible, Helm, Prometheus, Grafana, CI-CD, Pipeline, Metasploit, Wireshark, Nmap, Burp Suite

Operating Systems: Linux, Windows, Mac OS

PROJECT EXPERIENCE

Production Grade CI/CD with K8s Project

- Deploying to Kubernetes cluster on EKS from a complete CI/CD pipeline with automatic triggering, dynamic versioning for new docker application image.

Infrastructure Automation at Scale Project

- Automate provisioning EC2 servers on AWS with Terraform and automate deploying dockerized applications with docker- compose using Ansible by taking advantage of AWS dynamic inventory.

Application Monitoring & Recovery Project

- Write an automated script in Python for monitoring a web application. Notifying about the status and recovering the application if not accessible.

CI/CD with Docker Compose Project

- Deploy to AWS EC2 using docker compose from a complete CI/CD pipeline with automatic versioning, building a docker image.

Dockerize Application Pipeline Project

- Dockerize an application, set up a private Docker registry on Nexus for saving the images and setup an end-to-end CI/CD pipeline to deploy the application.

Deploy Microservices App to K8s Project

- Deploying a Microservices Application into K8s cluster with Production & Security Best Practices.

Monitoring & Alerting in K8s cluster Project

- Configure a K8s cluster with Prometheus monitoring and alerting. Deploy a web application inside the cluster with its dependent services and configure monitoring for it.

CERTIFICATION

- DevOps Bootcamp | Techworld with Nana
- Pentester Academy DevSecOps Bootcamp
- TCM - Mobile Application Penetration Testing
- PortSwigger Academy and Labs
- eLearnSecurity Web application Penetration Tester (eWPT)
- eLearnSecurity Junior Penetration Tester(eJPT)
- Certified Ethical Hacker (CEH)
- CompTIA Security+, Network+, Pentest+