Ahmed Osama *DevOps Engineer*

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📍 Cairo, Egypt   📅 16th September 2000

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🪪 Profile

My story started in 2016, a 16 years old guy is obsessed with technology in general and computer science in particular. My self-study career started quite irregularly, I start learning with Visual Basic language and I made small apps with it, but I didn't like this very much. I felt like I was wasting my time.

Then after that I heard about web development in 2017 and I found a full stack developer path, here I am starting to feel that I am on the right path, I learned different languages and technologies of web, starting with html and css, passing through javascript, then php, python and mysql. I remember this was taken from me (1.5 - 2) years ago, and I made different applications, and I worked as a freelancer from this time until now, I tried to work as an employee in a company, but I was refused because I am underage, companies always want graduates. During this time, I learned a lot of useful things like penetration testing web applications, forex and digital marketing

The situation continued like this until the beginning of 2022, I feel that I was born again when I learned DevOps. I found my passion in DevOps. As DevOps engineer I understand the melding of operations and development to quickly deliver code to customers. As DevOps I use a type of agile relationship between development and IT operations; The goal of DevOps is to change and improve the relationship by advocating better communication and collaboration between these two business units using different tools like Jenkins in CI-CD, Terraform to automate building the infrastructure, Docker to containerize my application and Kubernetes to orchestrate between containers and many other tools like Prometheus and Ansible using cloud providers like AWS. I have experience with the Cloud and monitoring processes as well as DevOps development in Windows Mac and Linux systems.

Currently, I'm graduated and I'm looking for an internship in a high-level company that will help me develop my skills, whether in Cloud or DevOps

Because the absence of guidance, I wasted a lot of my time unfortunately, but I'm working hard now to try to make up for those years

🎓 Education

2022	**DevOps Bootcamp**
Online	**Techworld with Nana**

- Production Grade CI/CD with K8s
- Infrastructure Automation at Scale
- Application Monitoring & Recovery
- CI/CD with Docker Compose
- Dockerize Application Pipeline
- Deploy Microservices App to K8s cluster
- Monitoring & Alerting in K8s cluster

2022 Online	**Become a DevOps Engineer** **Linkedin Learning** Learning about infrastucture automation, lean and agile transformation, security, monitoring, and site reliability engineering. Show Certificate ⬏
2018 – 2022 Mansoura	**Faculty of Arts, Mansoura University** **Geography & Land Surveying** • Learned the latest techniques, skills, and tools required to conduct land surveying. The major in geography and land surveying is based on a transfer articulation agreement. • Completed the associate's degree in Land Surveying.
2017 Online	**Full Stack Path** **Elzero Web School** Learn about the full stack development process, from front-end to back-end, and how to use the latest technologies.

💼 Professional Experience

2019 – present Mansoura, Egypt	**Freelance,** *Full Stack Developer* • Work with development teams and product managers to ideate software solutions • Design client-side and server-side architecture • Build the front-end of applications through appealing visual design • Develop and manage well-functioning databases and applications • Write effective APIs • Test software to ensure responsiveness and efficiency • Troubleshoot, debug and upgrade software • Create security and data protection settings • Build features and applications with a mobile responsive design • Write technical documentation • Work with data scientists and analysts to improve software

🧠 Skills

Programming Languages (PHP, Python, OOP)

System Administration (RedHat, Enterprise Linux, Ubuntu, CentOS, Fedora, Bash Shell, Ansible)

Cloud Infrastructure (AWS (IaaS, PaaS, SaaS, CLI/API, VPS), Auto Scaling, EC2, ELB, Amazon S3, EFS)

Servers (Nginx, Apache HTTP Server, Load Balancing, MySql)

Containerization (Docker, Docker Swarm, Kubernetes, AWS ECR, AWS EKS)

Infrastructure & Pipelines (Jenkins, Terraform, Git, Nexus)

Web Skills (HTML, CSS (Bootstrap), Javascript (JQery), PHP (Laravel), MySql)

Soft Skills (Time management, Communication, Adaptability, Troubleshooting, Teamwork, Leadership, Interpersonal skills)

Other Skills (Penetration Testing, Sales, Digital Marketing)

🌐 Languages

Arabic (Mother Tongue)   **English** (A2)   **German** (A1)