Mohamed Hosam
Aspiring DevOps Engineer

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Professional Summary

Ambitious and fast-learning DevOps Engineer in the making, with a strong foundation in cloud infrastructure, automation, and containerization technologies. Proficient in AWS, Docker, Linux, and Terraform, with hands-on experience in provisioning, managing, and automating cloud resources. Dedicated to continuous learning, with a commitment to applying new skills to optimize infrastructure, streamline workflows, and drive operational excellence. Eager to contribute to DevOps teams and enhance development pipelines through innovative solutions.

Education

– Bachelor of Science in Computer and Information Sciences
Faculty of Computer and Information Sciences, Mansoura University
Expected Graduation: June 2025

Key Skills

– **DevOps & Cloud Fundamentals**: Practical knowledge in cloud platforms and tools, including **AWS**, **Docker**, and **Terraform** for infrastructure provisioning and automation.

– **Containerization**: Proficient in **Docker**, including image creation, container management, and multi-container application orchestration with Docker Compose.

– **Operating Systems**: In-depth understanding of **Linux** (RedHat), with experience in system management, configuration, and administration.

– **Infrastructure as Code (IaC)**: Skilled in **Terraform** for automating and managing cloud infrastructure, enabling scalability and consistency across environments.

- **Programming & Automation**: Strong command of **Python** for scripting, automation, and building tools for DevOps processes.

- **Continuous Learning**: Committed to enhancing knowledge in **container orchestration** (Kubernetes), **CI/CD pipelines**, and other emerging DevOps technologies.

Certifications

Docker for Absolute Beginners
Issued by KodeKloud | [2024]
Completed a comprehensive training program focused on Docker containerization, including the creation and management of Docker images and containers, and deploying applications in a containerized environment.

AWS Academy Graduate – AWS Academy Cloud Foundations
Issued by AWS Academy | [2024]
Gained a solid understanding of AWS cloud services, cloud security, and the essentials of cloud architecture and infrastructure.

AWS Certified Cloud Practitioner
Issued by National Telecommunication Institute | [2024]
Validated foundational knowledge of AWS cloud concepts, services, and best practices.

Programming for Everybody (Getting Started with Python)
Issued by Udemy | [2022]
Completed an introductory course in Python, covering fundamental programming concepts, problem-solving, and automation techniques.

Projects

[AWS Auto-Scaling Infrastructure with Terraform and Ansible]

Description: [Terraform configuration for deploying an auto-scaling infrastructure on Amazon Web Services (AWS). The setup dynamically manages EC2 instances based on demand, providing scalability and resilience for cloud-based applications. The repository also includes Ansible playbooks for managing Apache installation on both public and private instances, as well as CI/CD configurations for streamlined deployment.]