

Dear Hiring Manager,

I am writing to express my strong interest in the DevOps position at your organization. As an enthusiastic and dedicated DevOps professional, I am excited about the opportunity to contribute my skills and expertise to your team. My background in DevOps, Linux administration, and cybersecurity, combined with my education and project experience, make me a strong candidate for this role.

Professional Experience

- **Cisco CyberOps Associate Trainee, National Telecommunication Institute**
 - Acquired foundational skills in incident response, reverse engineering, and digital forensics.
 - Engaged in comprehensive training covering cybersecurity principles and practices.
- **DevOps, Begin DevOps Career As an Absolute Beginner**
 - Gained hands-on experience with DevOps tools such as Linux, AWS, Jenkins, Ansible, Docker, and Kubernetes.
 - Mastered AWS services and infrastructure management.
- **Docker & Kubernetes: The Practical Guide**
 - Developed expertise in containerization and orchestration using Docker and Kubernetes.

Projects

- **Exodia OS**
 - Arch-based distribution designed for cybersecurity fields with special editions for daily use and Acer Predator laptops.
 - Included features for controlling CPU/GPU fans and keyboard RGB settings.
- **Ransomware Implementation**
 - Implemented a basic ransomware system using Python, consisting of a server hosted on the attacker's machine and a client deployed on the victim's machine.
 - The client awaited commands from the server to encrypt/decrypt files.
- **VProfile App Deployment on Local Host**
 - Deployed a multi-tier web application using Vagrant and various services like MySQL, Memcached, RabbitMQ, Tomcat, and Nginx.
 - Created scripts for each service installation and configuration, ensuring a smooth deployment process.
- **AWS Lift & Shift For VProfile**

- Migrated the VProfile app to AWS, utilizing EC2 instances for MySQL, Tomcat, Memcache, and RabbitMQ.
- Implemented ELB for load balancing, AutoScaling for EC2 scaling, and S3/EFS storage for shared storage.
- **AWS PAAS & SAAS VProfile**
 - Utilized Elastic Beanstalk, RDS instances, Amazon ElastiCache, and other AWS services to deploy VProfile.
 - Configured security groups, key pairs, and set up private DNS services using Route 53.
- **VProfile - Jenkins (using CI/CD)**
 - Deployed VProfile on AWS using Jenkins CI/CD pipeline.
 - Implemented various stages, including code fetching from GitHub, Maven build, unit testing, code analysis with SonarQube, Docker image building, and deployment to AWS ECR Registry.
- **VProfile - Kubernetes**
 - Installed Kops to launch a Kubernetes cluster.
 - Containerized the VProfile app and created an EBS volume for the DB Pod to handle the database.
 - Labeled nodes with zone names for efficient cluster management.

Skills

- Linux / Git / GitLFS / GitHub / GitLab / Docker / Podman / Kubernetes / Bash Scripting / PowerShell / JSON / Terraform
- Vagrant / Nginx / AWS / Jenkins / Helm / SonarQube / SonarCloud / Ansible / Vim / Neovim / C / C++ / Java / Python / YAML

Education

- **Bachelor in Information Technology, Cairo University - Faculty of Computers and Artificial Intelligence**

Courses and Certificates

- DevOps with Projects
- Terraform
- GitHub Actions
- RealTime DevOps Projects
- Docker & Kubernetes
- Helm Masterclass

- PNPT
- GitLab CI
- Incident Response
- CCNA
- DevOps
- NTI CyberOps Associate
- C Programming with Linux
- PNPT

I am confident that my technical skills, passion for DevOps, and dedication to learning make me a valuable candidate for this position. I am eager to leverage my knowledge and experience to help streamline your development and operations processes, ensuring high-quality software delivery and infrastructure management.

Thank you for considering my application. I would welcome the opportunity to discuss how my qualifications align with your needs. Please feel free to contact me at mmsaeed509@gmail.com or at +201116060955 .

Sincerely,

Mahmoud Mohamed Said Ahmed