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Summary

DevOps Engineer with expertise in cloud-native infrastructure (AWS, Kubernetes, Terraform) and cybersecurity. Proven track record of automating deployments, reducing downtime, and improving security posture. Creator of Exodia OS and contributor to open-source kernel modules. Skilled in building CI/CD pipelines, container orchestration, and penetration testing. Passionate about delivering scalable, secure, and automated systems.

Military status **(Completed)**

Education

Bachelor of Computers and Artificial Intelligence, Cairo University **(Class of 2023)**

Experience:

Junior DevOps Engineer – Suez Canal Bank **(Nov 2025 – Present)**

- Built and maintained Azure Pipelines CI/CD for core banking applications, improving deployment efficiency.
- Containerized services and deployed workloads on OpenShift, enhancing system scalability and stability.
- Managed centralized logging and observability using the ELK Stack, reducing troubleshooting time.
- Automated build, test, and release processes to reduce manual effort and accelerate delivery cycles.
- implement DevSecOps practices aligned with CBE regulations.
- Developed automation scripts and templates to streamline environment provisioning and configuration.

Projects:

Exodia OS

- Built an **Arch-based** Linux distribution tailored for cybersecurity and penetration testing.
- Developed special editions including **Home** and **Acer Predator** with fan/RGB control.
- Adopted by cybersecurity enthusiasts with 500+ pre-installed tools.
- Link: https://exodia-os.github.io

CI/CD Pipeline for VProfile App (GitOps, Kubernetes, Jenkins)

- Designed and deployed a multi-tier Java application with MySQL, Memcached, RabbitMQ, Tomcat, Nginx
- Implemented GitHub Actions workflows for development and production.
- Automated deployments on AWS EKS using Terraform + Helm

Acer Predator Kernel Module

- Reverse-engineered Windows PredatorSense app to build a Linux kernel module (C).
- Control Keyboard RGB, Fan Speed and TURBO mode .
- Link: https://github.com/JafarAkhondali/acer-predator-turbo-and-rgb-keyboard-linux-module

Linuwu-Sense (mmsaeed509/Linuwu-Sense Fork)

- Reverse-engineered Windows PredatorSense app to build a Linux kernel module (C).
- Control RGB, Fan Speed, Overclocking, TURBO mode, System Monitoring and Thermal Profiles
- Link: https://github.com/mmsaeed509/Linuwu-Sense

PredatorSense Linux

- GUI App For mmsaeed509/Linuwu-Sense Fork
- Link: https://github.com/mmsaeed509/PredatorSense-Linux

Exodia OS Assistant (PyQt5 GUI App)

- Built modular system assistant application for Exodia OS
- Designed custom UI with non-rectangular windows, dynamic buttons, and system integration features.
- Role Manager, which allows users to install, manage, and configure a role-based environment

Ransomware

- It’s a basic implementation of ransomware using Python, consisting of two programs: a server and a client
- The server is used to control the client (ransomware) and is hosted on the attacker's machine
- The client, which functions as the ransomware, connects to the server to encrypt/decrypt files

Skills:

- **Version Control & Linux:** Git, Git LFS, GitHub, GitLab, Debian/Arch/RHEL-based
- **Programming:** C/C++, Java, Python, Bash, PowerShell
- **Containers & Orchestration**: Docker, podman, OpenShift, Kubernetes
- **CI-CD & IaC**: Jenkins, GitHub Actions, GitLab CI, Terraform, Helm, Ansible, vagrant
- **Cloud**: AWS
- **Monitoring & Security**: Grafana, Incident Response, Penetration Testing