

Abdallah Gabr

DevOps Engineer Intern | AWS Certified (SAA, SOA, CCP, AIF) | Linux & Cloud Automation
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Cairo, Egypt

PROFESSIONAL SUMMARY

AWS-certified Cloud Engineer and DevOps Engineer in training with hands-on experience designing, automating, and deploying production-ready applications on AWS. Strong foundation in Linux administration, cloud infrastructure, Bash/Python scripting, Docker containerization, Infrastructure as Code, and CI/CD automation. Built and deployed a live Flask application on AWS EC2 (RHEL 10) with Nginx, Gunicorn, automated backups, and scripted provisioning. Passionate about building scalable systems, improving reliability, and streamlining delivery through automation. Seeking a DevOps Internship to contribute and grow in modern cloud environments.

CERTIFICATIONS

- AWS Certified CloudOps Engineer – Associate Apr 2026 – Apr 2029
 - AWS Certified AI Practitioner (AIF-C01) Apr 2026 – Apr 2029
 - AWS Certified Solutions Architect – Associate (SAA-C03) Mar 2026 – Mar 2029
 - AWS Certified Cloud Practitioner (CLF-C02) Oct 2025 – Apr 2029
 - Huawei Cloud Certified Developer Associate – Tech Essentials (HCCDA) Sep 2025 – Sep 2028
- In Progress:* AWS Certified Developer – Associate

TECHNICAL SKILLS

Cloud Platforms: AWS (EC2, S3, EBS/EFS, RDS, Aurora, DynamoDB, VPC, IAM, Cognito, Secrets Manager, Lambda, API Gateway, CloudFormation, Auto Scaling, ELB, CloudWatch, CloudTrail, SNS, SQS, Fargate, WAF, Glue, Athena, Global Accelerator), Huawei Cloud
Infrastructure as Code: AWS CloudFormation, Terraform
Containers & Orchestration: Docker, Docker Compose, Kubernetes
CI/CD: GitHub Actions, Jenkins
Configuration Management: Ansible
OS & Networking: Linux (RHEL / Ubuntu / CentOS), Nginx, Systemd, DNS, TCP/IP, CCNA Fundamentals, SSH Hardening
Scripting & Programming: Bash, Python, Java, Kotlin, Git, GitHub
Databases: MariaDB, MySQL, Amazon RDS, SQL
Monitoring & Observability: CloudWatch, Prometheus / Grafana (learning)

PROJECTS

- Note-Taking Web App** | *AWS, EC2, S3, Cognito, Docker, Nginx, Gunicorn, MariaDB, Bash* [GitHub](#)
- Deployed a full-stack Flask/MariaDB web application on AWS EC2 (RHEL 10) with Nginx reverse proxy and Gunicorn managed by systemd, serving live traffic.
 - Automated full server provisioning with modular Bash scripts (7-step system), reducing setup from hours to a single command.
 - Integrated AWS Cognito for secure user authentication with guest-mode fallback; used Amazon S3 for file storage with local fallback.
 - Built a daily automated database backup system using cron jobs with a dedicated EBS volume, retention policy, and restore scripts with safety snapshot.
 - Implemented features including Markdown support, note search, categories, unique sharing tokens, and JSON/TXT export.
 - Applied security hardening using SSH key authentication, firewall rules, and IAM least privilege.

TRAINING & EXPERIENCE

- DevOps Engineer Trainee** Nov 2025 – Present
Digital Egypt Pioneers Initiative (DEPI) Cairo, Egypt, Hybrid
- Built CI/CD pipelines for build, test, and deployment automation.
 - Containerized applications using Docker and Docker Compose.

- Hands-on Kubernetes experience with Deployments, Services, scaling, rolling updates, and orchestration fundamentals.
- Applied Terraform and CloudFormation for infrastructure automation.

Linux Administration Trainee

Oct 2025 – Nov 2025

National Telecommunication Institute (NTI)

Remote

- Mastered Linux system administration: user/group management, file permissions, process control, storage, SSH, networking, and package management.
- Automated administrative tasks with Bash scripting.
- Performed security hardening and troubleshooting across performance, networking, and system configuration.

Cloud Architect Trainee

Jun 2025 – Jul 2025

National Telecommunication Institute (NTI)

Remote

- Completed 120-hour AWS training covering Cloud Foundations, Security, and Architecting; designed scalable, fault-tolerant, auto-scaling multi-AZ architectures.
- Applied best practices for availability, cost optimization, and security.
- Built hands-on capstone projects with EC2, RDS (Multi-AZ), ELB, Auto Scaling, VPC, IAM, and CloudFormation.

Mobile App Developer Trainee

Apr 2024 – Oct 2024

Digital Egypt Pioneers Initiative (DEPI)

Cairo, Egypt, Hybrid

- Trained in Java, Android, Flutter, Git, UI/UX, and secure mobile development.
- Built mobile apps using Kotlin, Dart, Firebase, and MVVM architecture.
- Developed Service Link with authentication, notifications, and real-time database features.

Android Development Trainee

Apr 2024 – Aug 2024

Information Technology Institute (ITI)

Cairo, Egypt, Remote

- Trained in Kotlin, Coroutines, Room, Retrofit, and Git.
- Applied MVVM architecture, REST APIs, XML UI design, and local storage.
- Built RecipeApp with authentication, favorites, dark mode, and API search.

EDUCATION

Bachelor of Computer Systems Engineering

Expected 2027

Faculty of Engineering at Shoubra, Benha University

Cairo, Egypt, Grade: Very Good (82%)

LANGUAGES

Arabic (Native), English (Intermediate)