✉ amrzakariya2018@gmail.com **Amr Zakariya** 📞 **+20 1124400492**

[LinkedIn](#) 💼⭕ [Amrzxk](#) **Egypt, Cairo, Hadaiq Al Qubbah**

Summary

Computer Science student specializing in cloud automation, DevOps infrastructure, and security. Hands-on experience in AWS, Infrastructure as Code, and CI/CD. Passionate about optimizing system performance and security in fast-paced environments.

Skills

- Programming Language: Python | Java
- Operating Systems: Linux | Windows
- Databases: MySql | Oracle | SQL Server
- Network & Security: TCP/IP | DNS | Wireshark | IAM Policies
- Cloud and DevOps: AWS | CloudFormation | Kubernetes | Docker | Render | Terraform
- CI/CD | Cloud Solutions | Cloud Security | Automation | Arabic, English – *All advanced proficiency | Problem Solving ,*
Team Collaboration, Adaptability, Time Management, Communication Skills

Education

Bachelor of Computer Science and Artificial Intelligence   Helwan University   October 2022 – July 2026 (Expected)

- *Computer Science Track.*

Technical Experience

AWS Infrastructure Automation   *NTI*   *April 2024 – October 2024*

- *Designed and implemented a secure, scalable network environment.*
- *Hosted a web application on **EC2**, with static content stored in S3, achieving a **99.9% uptime**.*
- *Integrated server monitoring with **Amazon CloudWatch**, resulting in a **20% reduction** in incident response time.*
- *Implemented disaster recovery strategies, ensuring **minimal downtime** during failover tests.*
- *Enabled HTTP to **HTTPS** redirection, increasing security compliance by **100%**.*

Containerized Application   *NTI*   *April 2024 – October 2024*

- *Configured cloud development environment with **AWS Cloud9** for Python and **AWS CLI**.*
- *Set up subnets for **Amazon RDS** and **Elastic Beanstalk**; deployed **Aurora Serverless** database.*
- *Ensured communication between containerized application and Aurora database through connection settings.*
- *Created essential database objects and seeded with supplier data.*
- *Reviewed **IAM policies** for secure access and deployed application via **AWS Elastic Beanstalk** for scalability.*

Vehicle Booking System.   *University*   *April 2025 – May 2025*

- *Containerized the application using Docker, encapsulating all dependencies to ensure consistent behavior across development, testing, and production environments.*
- *Authored custom **Dockerfile** and **docker-compose.yml** configurations to streamline the build and orchestration processes, facilitating efficient local deployment and workflows.*
- *Utilized **Git** for version control and **GitHub** for repository hosting.*
- *Integrated the GitHub repository with **Render**, enabling automatic deployments, thereby streamlining the **CI/CD** pipeline.*

Kubernetes Deployment   *IBM Course*   *May 2025*

- *Deployed a containerized Node.js application to a Kubernetes cluster using kubectl and declarative YAML manifests.*
- *Utilized kubectl proxy to securely access the application via the Kubernetes API server.*
- *Scaled application pods horizontally using kubectl scale, enhancing availability and performance.*
- *Monitored pods status and resource utilization ensuring optimal application health.*

Certifications

- **AWS Academy Cloud Developer** *(Issued by AWS Academy)*
- **AWS Academy Cloud Operations** *(Issued by AWS Academy)*
- **AWS Academy Cloud Architecting** *(Issued by AWS Academy)*
- **AWS Cloud Foundations** *(Issued by AWS Academy)*
- **AWS Cloud Solution Admin and Architect** *(Issued by DEPI and NTI)*
- **IBM Containers and Kubernetes Essentials** *(Issued by IBM)*
- **IBM SkillsBuild Cybersecurity Certificate** *(Issued by IBM)*
- **IBM Cloud Security** *(Issued by IBM)*
- **Business English** *(Issued by Berlitz)*