Kareem Rizk

Arlington, VA • (202) 621-4174 • kareem.magdy5@gmail.com

PROFESSIONAL PROFILE

EXECUTIVE SUMMARY:

Cloud Infrastructure Developer | DevOps Engineer | Cloud Data Engineer

Skilled in AWS, GitLab CI/CD, Terraform, and Kubernetes, optimizing cloud infrastructure, automating workflows, and refining data processes alongside diverse teams flows naturally. Currently earning an M.S. in Cloud Computing at UMGC. At NOAA, streamlining cloud operations, enhancing security, conducting audits, optimizing costs, and boosting DevOps efficiency with cross-functional peers drives outcomes. Passionate about cloud automation, infrastructure as code, and scalable data solutions, targeting growthdriven roles in cloud computing, DevOps, and data engineering sparks ambition. U.S. citizen with Public Trust security clearance.

Technical skills and tools

- Certified AWS Developer – Associate
- Python
- Apache: AirFlow / Kafka / Spark
- JavaScript (Vanilla JS, JQuery, React)
- MERNG Stack
- AngularJS
- Kubernetes
- Lambda
- Elasticsearch
- AWS Networking & Compute (VPC, Subnets, EC2, etc.)
- Amazon RDS / Aurora / Dynamo & S3
- Linux
- CSS (Materialize, Bootstrap, React Bootstrap, Tailwind)
- MySQL / PostgreSQL Databases
- Tableau
- Git, GitHub & GitLab
- Microsoft Office (Word, Excel, PowerPoint, Access)
- CloudFormation
- Docker
- Power BI
- SageMaker
- Terraform

PROFESSIONAL EXPERIENCE

NOAA, Silver Spring, MD   February 2023 - April 2025
Cloud Developer - Contract

- Design, deploy, and maintain AWS cloud infrastructure, focusing on automation, security, and cost optimization.
- Build and manage Terraform stacks on GitLab to automate AWS resource provisioning, integrating CI/CD for secure and scalable deployments.
- Leverage AWS services—EC2, S3, SQS, SNS, Lambda, and CloudFormation to enhance scalability and efficiency.
- Implement IAM policies and AWS SSO for access control and compliance.
- Boost AWS environments for high availability, performance, and cost efficiency.
- Collaborate, fortifying cloud security through AWS IAM, enforcing governance with Terraform, accelerating automation via GitLab CI/CD.
- Acquire hands-on data engineering skills, building cloud-based ETL pipelines with AWS Glue and refining storage in Amazon S3.

Cloud Alliance Tech, Tysons, VA   September 2022 - April 2025
Cloud Developer
- Earned the AWS Developer Associate certification, demonstrating expertise in building, deploying, and debugging cloud applications on AWS.
- Acquire hands-on expertise in AWS by configuring and supervising cloud resources, including EC2, S3, and Lambda, to support scalable and secure applications.
- Gain expertise in leveraging AWS services through Python to develop and supervise cloud-based solutions.

Alsaid Foundation, Alexandria, VA   August 2022 - November 2022
Web Developer Intern
- Created responsive AngularJS websites with dynamic features and overhauled front-end performance
- Developed custom WordPress websites, implementing tailored themes and plugins to enhance functionality and user experience.

EDUCATION

University of Maryland Global Campus- Maryland   May 2026
Master's Degree (M.S.) In Cloud Computing Systems
- Designing and managing cloud infrastructure using AWS, Azure, and Google Cloud Platform, prioritizing scalable systems, strengthening security, and directing IT projects culminates in a capstone project building a real -world cloud portfolio.

GW University Web Development Bootcamp- Washington, DC   May 2022
Certificate In Full Stack Web Development
- Via the George Washington University (GW) Web Development Bootcamp, designing and managing web applications with HTML5, CSS3, JavaScript, jQuery, Bootstrap, Express.js, Node.js, MongoDB, and MySQL honed full-stack development, responsive design, and database integration, yielding a portfolio of real-world projects highlighting technical proficiency.