Salma Kassem

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Summary

I have a solid background in cloud computing, gained through a DEPI scholarship program. My hands-on experience with AWS has equipped me with skills in designing and managing cloud architectures. I'm focused on building reliable and secure cloud solutions and am committed to ongoing learning in the field.

Education

Arab Academy for Science and Technology and Maritime Transport   Alexandria, Egypt
B.S. in Computer Science   *September 2019 - July 2023*
Grade: Very Good

Digital Egypt Pioneers   Alexandria, Egypt
AWS Solutions Admin & Architect   *June 2024 - September 2024*

- AWS Cloud Practitioner
- AWS Cloud Architecting
- AWS Cloud Operations
- AWS Data Analytics

Technical Skills

Cloud Services: Proficient in AWS Core Services (EC2, S3, RDS, IAM, VPC) and AWS Management Console, Familiar with designing scalable, secure, and fault-tolerant systems on AWS, Understanding of AWS cost management, optimization, and the Well-Architected Framework, Security best practices, including IAM roles and policies.
Containerization & Orchestration: Basic knowledge of containerization with Docker.
Networking & Security: Basic knowledge of networking principles (TCP/IP, OSI Model) and AWS-specific networking (VPCs, subnets, security groups), Understanding of security configurations within AWS environments, focusing on ensuring compliance and data protection.
System Monitoring & Management: Familiarity with AWS CloudWatch, operational health checks, and Backup & Recovery: AWS Backup and disaster recovery strategies.
Version Control: Basic knowledge of Git.

EXPERIENCE

Digital Egypt Pioneers   Alexandria, Egypt
AWS Solutions Admin & Architect

- Acquired hands-on experience in cloud computing, focusing on key AWS concepts and skills.
- Developed expertise in AWS core services, cloud architecture design, and cloud operations management.
- Enhanced abilities in designing scalable and resilient architectures and managing AWS-based applications.

High Availability and Security for PHP Applications (Scholarship Project)

- Completed as part of the AWS Cloud Architecting Capstone project through the scholarship program.Set up an Aurora Serverless MySQL database, secured with AWS Secrets Manager.Deployed an Application Load Balancer in public subnets to manage traffic and ensure high availability.Launched EC2 instances in an Auto Scaling group for dynamic scaling.Migrated data from a MySQL database to Aurora Serverless using an SQL dump file.Tested the application through the ALB URL to ensure functionality and performance.

Courses&Certifications

AWS Cloud Operations — *Issued Sep 2024*, AWS Academy
AWS Cloud Architecting — *Issued Aug 2024*, AWS Academy
AWS Cloud Foundations — *Issued Nov 2023*, AWS Academy

Languages

Arabic: Native
English: Professional
German: B1

Projects

Automated Image Transfer using AWS Lambda

- Developed a serverless solution using AWS Lambda to automate image processing and transfer between S3 buckets. The project enhances data workflow efficiency by detecting new image uploads and automatically replicating them to a designated target bucket.

Academic Projects

UI Design for Travel App (Tour Ease)

- Designed UI for a travel app in a team of 3, contributing 25% of screens.

- Quickly learned Figma, creating a high-fidelity prototype with interactive elements and consistent style.

- Created a presentation showcasing the UI design evolution from initial sketches to the final prototype.

Single-player Game App (Concept to Release)

- Designed and developed a single-player game app from initial concept to final release using Unity and C#.

- Implemented core game mechanics, user interface elements, and debugging processes to ensure a smooth gameplay experience.

- Conducted user testing and incorporated feedback to refine gameplay, resulting in a 4.7-star average rating on the app store.

Extracurricular Activities

Video Editing Lead, Hands Act Group Marketing Committee   2021-2022

- Led a team of 3 in video editing for a prominent university organization, ensuring project completion within tight deadlines.

- Developed expertise in diverse video editing techniques, increasing video quality and production efficiency, contributing to a 50% increase in event viewership and engagement.

- Fostered a supportive team environment, encouraging members to overcome challenges and express creative ideas, resulting in 7 high-quality marketing videos.