

Salma Kassem

AWS Solutions Architect Engineer

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Education

Arab Academy for Science and Technology and Maritime Transport

B.S. in Computer Science
Grade: Very Good

Alexandria, Egypt
September 2019 - July 2023

Digital Egypt Pioneers

AWS Solutions Admin & Architect

Alexandria, Egypt
June 2024 - September 2024

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

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.

Courses&Certifications

AWS Cloud Architecting — Issued Aug 2024, AWS Academy

AWS Cloud Foundations — Issued Nov 2023, AWS Academy

Languages

Arabic: Native

English: Professional

German: B1

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.

Machine Learning Model for Predictive Analysis

- Built a machine learning model using Python to predict stock prices with a 90% accuracy rate.
- Utilized scikit-learn for model training and evaluation, and implemented data preprocessing steps.
- Documented the development process and results in a comprehensive report.

EXTRACURRICULAR ACTIVITIES

Volunteer at Tech for Good

- Organized coding workshops for underprivileged youth to promote technology education.
- Mentored students in programming fundamentals and provided guidance on tech career paths.

University Coding Club

- Co-founded and managed a coding club focused on competitive programming and project-based learning.
- Organized hackathons and coding competitions, leading to increased club participation by 40%.