



Andrew Ghobrial

Senior Backend Engineer

Personal details

 andrewakram1997@gmail.com

 +20 1212271464

 Cairo, Egypt

 andrewakg.dev

 linkedin.com/in/andrew-akg

Education

BSc. Computer Science

Sep 2014 - May 2019

German University in Cairo, Egypt

Bachelor Thesis in computer science and engineering

Bachelor Project

Mar 2018 - Aug 2018

DHBW, Stuttgart, Germany

Personal Assistant for Elderly People using VR

Skills

AWS | NodeJs | Typescript

Cloudformation | Terraform

Docker | CICD | Github Actions

PostgreSQL | MongoDB | DynamoDB

React | Firebase

Languages

English 

Arabic 

Work Experience

Backend Team Lead & AWS Architect

Aug 2023 - Present

DevGurus, United States

- Leading GameSafe App (app for protecting children while playing games online), DCA App (app for learning how to be a good digital citizen through an online platform) and FGI (app that has complex integrations with guns marketplaces)
- Architected Apps on AWS using the AWS Well-Architected Framework and developed the architectures utilizing CloudFormation and Serverless Framework stack.
- Enhanced apps architecture for improved performance, scalability, and monitoring and Implemented CICD pipelines for GitHub repositories using GitHub workflows.
- Led development of core backend APIs and conducted PR reviews to maintain best practices.
- Optimized AWS resource utilization including EC2, ECS and RDS to reduce operational costs by 50% for non production environments while maintaining application reliability.

Senior Software Engineer

May 2023 - Present

Nodogoro, Cairo, Egypt

- Led the development of StudioShot App, utilizing AI services to produce professional images from selfie images using Stable Diffusion and ComfyUI tools.
- Managed backend development and maintenance of AWS/GCP components for StudioShot App and optimized cost and performance by transitioning AI GPU workloads to AWS EC2 GPU instances
- Developed internal tools using Retool
- Migrated the old app architecture to a new scalable architecture using AWS and GCP native services.

Top Rated Freelancer

Jun 2021 - Aug 2022

Upwork, Cairo, Egypt

- Contributed to the successful delivery of two projects: a freelancing app for home maintenance jobs and a mood app for analyzing user mood according to daily activities.
- Leveraged Node.js with TypeScript alongside AWS with cloud-native approach for back-end implementation using Serverless Framework.

Professional Services Delivery Engineer

Sep 2020 - Apr 2023

Onica Egypt, Rackspace Company, Cairo, Egypt

- Contributed to the successful delivery of two projects: a medical application integrating a Bluetooth-enabled inhaler for patients and a cost simulation tool for underground water pipelines.
- Leveraged React with TypeScript for front-end development and Node.js with TypeScript alongside MongoDB for back-end implementation.
- Employed a cloud-native architecture utilizing the Serverless Framework on AWS, incorporating AWS Lambda functions, DynamoDB, AuroraDB, EventBridge, SNS, and SQS to enable event-driven patterns and efficient event propagation.

Software Engineer
Callvita, LLC, Cairo, Egypt

Jun 2019 - Aug 2020

- Led app development to store medical history and enable booking doctor appointments.
- Utilized ReactJS for front-end, NodeJS (JavaScript) and Express for backend, React Native for mobile app development, and AWS as the cloud provider.

Certificates

AWS Certified DevOps Engineer Professional	2024
AWS Certified Solution Architect Professional	2023
AWS Certified Developer Associate	2023
AWS Certified Solution Architect Associate	2021
AWS Certified Cloud Practitioner	2021