

ADHAM FOUAD

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Professional Summary

High-velocity Full-Stack & DevOps Engineer with a deep specialization in cloud infrastructure optimization (Azure, AWS) and robust backend architectures. Proven track record of design-to-delivery automation, orchestration, and maintaining high-concurrency real-time systems. Seeking a remote engineering role within a fast-scaling international product team.

Technical Skills

- **Backend & Systems:** PHP (Laravel), Node.js (TypeScript), Python, SQL, Bash, Go, Lua
- **Cloud & DevOps:** Azure, AWS, Docker, Kubernetes, Terraform, CI/CD pipelines, Nginx, Prometheus, Grafana
- **Architecture & Databases:** Microservices, REST/GraphQL, WebSockets, WebRTC, MySQL, PostgreSQL, MongoDB
- **Frontend:** React.js, TypeScript

Experience

Full-Stack Software Engineer, Mainflare

Apr 2025 – Present

Remote

- Architected cloud-native SaaS infrastructure on Azure (App Services, Functions), improving platform reliability and establishing automated resource scaling.
- Implemented cost-governance protocols for AI model deployments, successfully optimizing compute overhead while maintaining high availability.
- Developed standardized infrastructure blueprints, accelerating feature deployment pipelines across distributed product teams.
- Coordinated cross-team deployments and orchestrated change management for large-scale platform releases.

Backend Engineer (Contract), Special Olympics Platform

Mar 2023 – Present

7elmak IT Solutions — Remote

- Engineered and maintained a high-traffic athlete management platform serving thousands of daily active users.
- Executed performance tuning, structural vulnerability patching, and provided critical on-call infrastructure support.
- Scaled system architecture to support international competitions, enabling seamless global data synchronization.

Software Engineer, M.Tech

Sep 2023 – Apr 2025

Cairo, Egypt

- Executed cloud-native deployments for education platforms across hybrid Azure/AWS environments, significantly improving uptime.
- Designed and implemented CI/CD pipelines with automated rollback capabilities, reducing deployment risks and system downtime.
- Built real-time analytics widgets and HUD systems for gaming applications, processing high-volume telemetry data.

Technical Advisor & Tournament Judge, Nation Builders Initiative

Sep 2020 – May 2023

US Embassy Partnership — Cairo, Egypt / Remote

- Provided strategic architectural guidance to multinational development teams across Egypt, Mexico, Canada, and the USA.
- Advised cross-border teams on technology stack selection, system scalability, and cloud infrastructure for web and mobile applications.
- Served as an expert technical judge for the initiative's final multinational tournament, evaluating application architecture, market viability, and technical execution.
- Collaborated with international stakeholders and government partners to ensure technical deliverables met global standards.
- Engineered EDUCO, a cross-platform education system hosted on AWS EC2 featuring real-time collaboration tools.

Principal Systems Contractor, Independent Consultancy

Dec 2018 – Present

Remote

- Delivered 50+ end-to-end applications, including full-scale SaaS platforms, e-commerce engines, and high-security PCI-compliant systems.
- Engineered high-concurrency real-time backends utilizing Lua, React, and WebRTC, successfully supporting up to 12K+ concurrent active sessions.
- Built and deployed a multi-tenant, multilingual API automation tool running seamlessly across Azure and Firebase microservices.

Education

Bachelor of Science, Computer Science — SAMS

Major: Artificial Intelligence — Minor: Software Engineering

Languages

- **Arabic:** Native
- **English:** C2 (Fluent)
- **German:** B2 (Professional Working Proficiency)