

# MAHDI GHALEB

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## Summary

Phoenix based Cloud Fullstack Developer specializing in microservices architecture and secure cloud deployments. Expertise in building high availability applications, integrating complex back end services with responsive front end interfaces, and implementing CI/CD automation. Proven track record of delivering scalable solutions with sub 100ms latency and robust database performance.

## Skills

Cloud & DevOps: AWS Lambda, AWS App Runner, Docker, Terraform, Route 53, CloudFront

Backend & Database: FastAPI, Python, PostgreSQL, SQLAlchemy, REST APIs, Redis

Frontend & Integration: React 19, TypeScript, Next.js, HTML5, CSS3, JSON Web Tokens

Soft Skills: Technical Communication, Agile Methodology, Strategic Planning, Documentation, Problem Solving

## Experience

Fullstack Cloud Developer | ReFocused (refocused.app)

May 2025 – Present

- Architected a scalable microservices backend using FastAPI and Python to replace monolithic patterns, achieving sub 100ms API response times.
- Implemented persistent data layers using PostgreSQL and SQLAlchemy, optimizing query performance via connection pooling and async drivers.
- Built responsive front end interfaces using React 19 and TypeScript, ensuring seamless integration with RESTful API endpoints and improved user engagement.
- Deployed containerized applications to AWS App Runner using Docker, establishing automated CI/CD workflows for reliable production releases.
- Secured application endpoints by implementing OAuth2 and JWT strategies, strictly adhering to modern authentication standards and protecting user data.
- Integrated Redis caching mechanisms to reduce database load on read heavy operations, supporting high concurrency traffic with minimal latency.

## Projects

ResiliNet (Disaster Recovery Infrastructure)

- Provisioned multi region infrastructure using Terraform to define infrastructure as code and ensure business continuity.
- Configured AWS Route 53 health checks to automatically reroute traffic during simulated regional failures, maintaining high availability.
- Implemented DynamoDB Global Tables for active passive failover, achieving sub minute recovery time objectives for critical data.

MedeSense (Serverless Compliance Pipeline)

- Designed an event driven serverless architecture on AWS Lambda to process sensitive data without managing underlying servers.
- Orchestrated automated workflows using API Gateway to handle asynchronous data processing and integration with external services.
- Enforced zero persistence security policies to ensure compliance, validating data integrity during transit through the pipeline.

## Education

AWS Certified Solutions Architect – Associate  
Amazon Web Services

Issued Dec 2025

Software Engineering Certificate  
Arizona State University

Nov 2024 – May 2025