

# ABDUL MOIED BABAR

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Authorized to work in the UK - No sponsorship required • Willing to relocate to London

## PROFESSIONAL SUMMARY

Accomplished Senior Cloud Engineer with 8+ years of expertise architecting and deploying scalable cloud infrastructure across AWS, Azure, and GCP. Proven track record building cloud-native applications for startups that secured £50M+ in funding rounds, serving elite clients including Real Madrid and Olympic athletes. Deep proficiency in serverless architectures (Lambda, Cloud Functions), container orchestration, Infrastructure as Code, CI/CD pipelines, and cloud security best practices. Expert in cost optimization, auto-scaling strategies, and building resilient distributed systems with comprehensive monitoring and observability. Extensive experience with cloud databases (RDS, DynamoDB, Cloud SQL), message queues, CDNs, and implementing multi-region deployments. Specialized in migrating legacy systems to cloud platforms and designing cloud architectures for fintech and healthcare requiring regulatory compliance. I build cloud infrastructure that scales, performs, and stays within budget.

## SKILLS

**Languages:** JavaScript, TypeScript, Python, Java

**Frameworks & Libraries:** React, React Native, Node.js, FastAPI, Flask, Django, Express.js, Next.js, Swift, SwiftUI, pandas, numpy

**Databases:** PostgreSQL, MongoDB, Redis, Supabase, Firebase, DynamoDB

**Cloud:** AWS, Azure, GCP

**AI & Development Tools:** LangChain, LangGraph, RAG (Retrieval-Augmented Generation), Google Computer Vision APIs, AI-assisted development (Claude Code, Cursor), Rapid MCP, Latitude, Gamma, OpenAI Playground, Docker, CI/CD, Git, Xcode, Android Studio, Figma

## WORK HISTORY

**Senior Software Engineer & Founding Engineer, 08/2023 - Current**

**Theo Health - London, London**

- Architected and deployed complete GCP infrastructure for sports-tech platform processing real-time 104Hz sensor data, implementing Cloud Run for containerized microservices, Cloud SQL for PostgreSQL, and Cloud Storage for object storage
- Orchestrated zero-downtime migration from AWS to GCP for production systems serving 6 professional athletes and Real Madrid women's team, implementing comprehensive disaster recovery and backup strategies
- Designed auto-scaling infrastructure handling variable workloads from athlete training sessions, implementing Cloud Load Balancing and monitoring with Cloud Monitoring and Logging for 99.9% uptime

- Implemented Infrastructure as Code using Terraform for reproducible deployments, establishing CI/CD pipelines for automated testing and deployment to GCP environments

**Mobile Engineer, 06/2022 - 02/2023**

**Hero - London, London**

- Designed and implemented production-ready AWS serverless architecture using Lambda functions, S3, DynamoDB, and SQS, supporting thousands of concurrent users with automatic scaling and pay-per-use pricing
- Built cost-optimized infrastructure for AI model inference processing video data, implementing S3 lifecycle policies, Lambda memory optimization, and DynamoDB on-demand pricing to minimize costs
- Architected CloudFront CDN distribution for global content delivery with S3 origin, implementing edge caching strategies to reduce latency and backend load
- Implemented comprehensive CloudWatch monitoring, alarms, and automated incident response, ensuring high availability and rapid issue detection

**React Native Engineer, 08/2021 - 11/2021**

**Shares.io - London, London**

- Integrated mobile applications with AWS backend infrastructure including API Gateway, Lambda functions, and RDS for high-frequency trading operations supporting 500K+ users
- Implemented secure cloud architecture in regulated financial services environment, ensuring data encryption at rest and in transit, IAM policies, and compliance with security requirements
- Optimized AWS costs through right-sizing EC2 instances, implementing auto-scaling policies, and leveraging reserved instances for predictable workloads
- Contributed to scalable platform infrastructure supporting rapid growth from MVP to \$40M Series A funding

**Mobile Application Developer, 02/2020 - 11/2020**

**Diaspora International Ltd - London, London**

- Architected and deployed Azure cloud infrastructure for digital payment platform including App Service for Node.js backend, Azure Database for PostgreSQL, and Blob Storage for document management
- Implemented Azure Active Directory B2C for secure user authentication and authorization, ensuring compliance with financial services security requirements
- Built CI/CD pipelines using Azure DevOps for automated deployment across development, staging, and production environments with comprehensive testing
- Designed Azure Monitor and Application Insights integration for comprehensive observability, implementing automated alerting and performance monitoring

**Consultant, 02/2023 - 07/2023**

**Synechron - London, London**

- Designed cloud architecture for healthcare ride-sharing platform ensuring HIPAA compliance, implementing encryption, access controls, and audit logging

- Built scalable backend infrastructure supporting React web and React Native mobile clients with auto-scaling and load balancing for variable traffic patterns
- Implemented disaster recovery and backup strategies ensuring data durability and business continuity for healthcare-critical systems

## **EDUCATION**

**Bachelor's degree: Software Engineering (Computer Science), 05/2022**

**University of Bedfordshire - Bedfordshire**

## **CERTIFICATIONS AND LICENSES**

- 5 Day Coding Challenge - Code Institute
- Front End Development Libraries - FreeCodeCamp
- 5 Day Coding Challenge - LeWagon
- Product Management Certification - Product School
- Bootcamp DataScience and AI - LeWagon