

ABDUL MOIED BABAR

Apartment 9/5, block C, Warroch Place, Glasgow, Glasgow City G38JL

07440177035 • abdulmoidbabar@gmail.com

<https://github.com/abdulmoid5>

<https://www.linkedin.com/in/abdul-m-1a6224b7/>

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

PROFESSIONAL SUMMARY

Accomplished Senior Platform Engineer with 8+ years of expertise building scalable infrastructure and backend systems across fintech, health-tech, and AI-powered platforms. Deep proficiency in distributed systems, microservices architecture, cloud technologies (AWS, Azure, GCP), and real-time data processing at scale. Proven track record contributing to platforms that secured £50M+ in funding rounds, serving elite clients including Real Madrid and Olympic athletes. Expert in architecting high-throughput systems processing real-time sensor data (104Hz), implementing CI/CD pipelines, container orchestration, and building developer-friendly APIs. Extensive experience with PostgreSQL, MongoDB, Redis, and cloud-native technologies including serverless architectures, message queues, and event-driven systems. Specialized in performance optimization, system reliability, and building infrastructure that scales. I build platforms that handle the hard stuff so developers can focus on features.

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 high-performance data processing platform handling 104Hz real-time sensor data from IoT devices, implementing Python/FastAPI microservices with Redis for in-memory caching and PostgreSQL for persistence
- Engineered scalable backend infrastructure on GCP supporting biomechanical analysis for 6 professional athletes and Real Madrid women's team, processing millions of data points with sub-100ms latency requirements
- Orchestrated complete cloud migration from AWS to GCP with zero downtime, implementing blue-green deployment strategy and comprehensive monitoring using Prometheus and Grafana

- Rebuilt backend platform transitioning from monolithic Laravel PHP to microservices-based Node.js architecture, improving system reliability and enabling independent service scaling

Mobile Engineer, 06/2022 - 02/2023

Hero - London, London

- Designed and implemented scalable AWS serverless architecture using Lambda, S3, DynamoDB, and SQS for real-time AI model inference, supporting thousands of concurrent users with automatic scaling
- Built high-performance video processing pipeline for Computer Vision APIs, implementing efficient data streaming and batch processing to minimize latency and optimize compute costs
- Architected RESTful API layer with comprehensive documentation, rate limiting, authentication middleware, and monitoring, enabling reliable communication between mobile clients and backend services
- Implemented CI/CD pipelines using GitHub Actions for automated testing, building, and deployment of backend services to AWS infrastructure

React Native Engineer, 08/2021 - 11/2021

Shares.io - London, London

- Integrated mobile applications with high-frequency trading backend infrastructure on AWS, implementing real-time market data streaming for 1,500+ US stocks with WebSocket connections
- Designed and implemented secure API integrations in regulated financial services environment, ensuring data encryption, session management, and compliance with security requirements
- Optimized API response times and implemented efficient caching strategies for frequently accessed portfolio and market data, improving app performance and reducing backend load
- Contributed to platform supporting 500K+ users through rapid feature delivery during critical MVP phase

Mobile Application Developer, 02/2020 - 11/2020

Diaspora International Ltd - London, London

- Built scalable payment processing infrastructure on Azure using Node.js backend services and Python/Flask APIs, integrating with PostgreSQL database for transaction management
- Architected API layer integrating enterprise fintech services including Sumsb and Shuftipro for identity verification, Marqeta for payment processing, ensuring system reliability and error handling
- Implemented Firebase Cloud Messaging for real-time push notifications and event-driven updates, building robust message queue system for asynchronous processing
- Designed CI/CD pipelines for automated deployment across multiple environments, implementing comprehensive testing and monitoring for production systems

Consultant, 02/2023 - 07/2023

Synechron - London, London

- Architected backend infrastructure for healthcare ride-sharing platform using Node.js and PostgreSQL, implementing HIPAA-compliant data storage and processing systems
- Designed scalable API architecture serving React web and React Native mobile clients, implementing authentication, authorization, and comprehensive error handling
- Built monitoring and logging infrastructure for production systems, ensuring high availability and rapid incident response

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