

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 Full-Stack Engineer with 8+ years of proven expertise building scalable web and mobile applications across fintech, health-tech, and AI-powered platforms. Deep proficiency across the entire stack—React/React Native on frontend, Node.js/Python/FastAPI on backend, and PostgreSQL/MongoDB/Redis for data layers, with extensive cloud deployment experience (AWS, Azure, GCP). Demonstrated track record contributing to products that secured £50M+ in funding rounds with deployments to elite clients including Real Madrid and Olympic athletes. Expert in building AI/ML applications using LangChain, RAG architectures, and Computer Vision APIs, with proven ability to deliver end-to-end features from database design to user interface. Specialized in regulated environments including financial services and healthcare with experience in real-time data processing and secure payment systems. I ship complete features that work.

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 delivered full-stack sports-tech platform securing £1M+ funding, building React Native mobile apps, Python/FastAPI backend services, and PostgreSQL database with real-time data processing of 104Hz sensor data from IoT devices
- Engineered complete biomechanical analysis system from frontend data visualization to backend analytics pipelines, processing joint angle calculations and movement patterns for 6 professional athletes and Real Madrid women's team
- Implemented comprehensive cloud infrastructure on GCP including containerized microservices, CI/CD pipelines, and real-time WebSocket connections for low-latency performance
- Orchestrated seamless cloud migration from AWS to GCP and backend technology transition from Laravel PHP to Node.js while maintaining zero downtime, demonstrating deep understanding of distributed systems

Mobile Engineer, 06/2022 - 02/2023

Hero - London, London

- Developed end-to-end AI fitness platform with React Native frontend and Python/FastAPI backend, implementing Google Computer Vision APIs for pose detection and workout form analysis with real-time video processing
- Built scalable AWS serverless architecture using Lambda functions, S3 storage, and DynamoDB for real-time AI model inference supporting thousands of concurrent users, optimizing for low-latency performance
- Designed and implemented RESTful APIs with comprehensive error handling, authentication middleware, and rate limiting, ensuring robust communication between mobile apps and backend services
- Successfully shipped commercial app to App Store and Google Play during critical MVP phase securing £1M+ government funding

React Native Engineer, 08/2021 - 11/2021

Shares.io - London, London

- Built full-stack trading features integrating React Native mobile app with Node.js backend APIs and AWS services, enabling real-time stock trading for 1,500+ US stocks with live market data
- Implemented secure user authentication, session management, and portfolio tracking across mobile and backend systems in regulated financial services environment
- Developed real-time data synchronization between frontend state management and backend services, ensuring consistent user experience across devices
- Contributed to rapid MVP launch across European markets following \$10M seed round, helping secure \$40M Series A led by Valar Ventures (Peter Thiel's firm)

Mobile Application Developer, 02/2020 - 11/2020

Diaspora International Ltd - London, London

- Built complete digital payment platform stack including React Native mobile apps, Node.js backend services, Python/Flask payment processing APIs, and PostgreSQL database on Azure cloud infrastructure
- Integrated enterprise fintech services including Sumsb and Shuftipro for identity verification, Marqeta for payment processing, implementing secure API integrations with comprehensive error handling
- Developed Firebase integration for real-time notifications and data synchronization, implementing CI/CD pipelines for automated testing and deployment to App Store and Google Play
- Successfully delivered MVP to production within 9 months using Agile methodology, contributing to products achieving \$50M in total funding rounds

Consultant, 02/2023 - 07/2023

Synechron - London, London

- Architected full-stack healthcare transportation platform including React web application, React Native mobile apps for iOS/Android, and Node.js backend with PostgreSQL database

- Implemented HIPAA-compliant data handling across all layers of the application, ensuring secure patient information management and regulatory compliance
- Built comprehensive API layer connecting multiple frontend platforms to centralized backend services, implementing authentication, authorization, and data validation

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