

MOHAMMAD NAHID

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Willing to relocate

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PROFESSIONAL PROFILE

BSc (Hons) Computing Systems graduate with hands-on experience building production-grade full-stack, cloud, and AI-powered applications. Proficient across the full development lifecycle from designing scalable backend architectures and secure REST APIs to building modern, responsive frontends. Experienced with Python/Django, React, Azure serverless infrastructure, and AI/ML pipelines.

Demonstrated ability to deliver real-world systems independently, including a complete fintech platform with multi-currency wallets, Stripe payments, KYC, and escrow going well beyond typical graduate-level projects. A fast learner with strong problem-solving instincts, attention to detail, and the discipline to deliver under pressure. Now seeking a Junior Software Engineer, Backend Developer, or Full-Stack Developer role to grow within a professional engineering team.

TECHNICAL SKILLS

Languages	Python, JavaScript, TypeScript, PHP, Java
Frameworks	Django, Flask, React, Node.js, Laravel, Spring Boot
Cloud	Azure (Logic Apps, Blob Storage, Cosmos DB, Functions), GitHub Actions, CI/CD
Databases	MongoDB, MySQL, Azure Cosmos DB
AI / ML	TensorFlow, CNNs, MFCC & Mel Spectrograms, Edge Impulse
Security	JWT Authentication, Role-Based Access Control, API Security Design
DSA	Arrays, Linked Lists, Trees, Graphs, Hash Maps, Sorting & Searching, Big-O Analysis
Tools	Git, Docker, Postman, Linux, VS Code

PROJECTS

PayBridgeBD — International Payment & Wallet Platform

Tech Stack: Django, Stripe API, MongoDB, JWT, Cloud Deployment

- Architected a full fintech platform from scratch supporting multi-currency wallets, escrow, KYC workflows, and dispute resolution.
- Integrated Stripe payments including secure webhooks, card processing, and sandbox-to-production deployment.
- Designed a ledger-based transaction architecture supporting cross-border transfers between Bangladesh, UK, and US.
- Built admin analytics dashboard, compliance-ready audit logs, and role-based access control throughout.

Azure Media-Sharing Platform — Serverless Architecture

Tech Stack: Azure Blob Storage, Logic Apps, Cosmos DB, React, GitHub Actions

- Designed and deployed serverless REST APIs using Azure Logic Apps, eliminating the need for traditional server infrastructure.
- Built a complete CI/CD pipeline with GitHub Actions for automated testing and deployment.
- Implemented real-time media upload functionality with live monitoring via Azure Application Insights.
- Integrated Cosmos DB as a globally distributed, low-latency data layer.

Respiratory Sound AI — Edge AI on Raspberry Pi

Tech Stack: Python, TensorFlow, CNN, Edge Impulse, Flask, Raspberry Pi

- Trained a convolutional neural network to classify respiratory sounds (cough, wheeze, snoring) with high accuracy.
- Built a full audio preprocessing pipeline including noise reduction, segmentation, and MFCC/Mel Spectrogram feature extraction.
- Deployed a real-time inference system on Raspberry Pi with live microphone input — running entirely at the edge.
- Exposed the model via a lightweight Flask API for integration with external systems.

EshoTry — Full-Stack E-Commerce Platform

Tech Stack: Django, React, REST APIs, Stripe (Sandbox), MySQL

- Built end-to-end e-commerce platform including authentication, product catalogue, cart, checkout, order management, and admin dashboard.
- Designed a scalable RESTful backend with Django and a fully responsive React frontend.
- Integrated Stripe sandbox for payment flows and prepared system architecture for AI-powered virtual try-on feature.

EDUCATION

BSc (Hons) Computing Systems

Ulster University – London Campus · Graduated September 2025

- Key Modules: Software Engineering & System Design, Cloud Computing (Azure, Serverless), AI/ML & Embedded Intelligence, Networking & Security, Data Structures & Algorithms

WORK EXPERIENCE

Security Officer (Casual Contract)

Carlisle Support Services – London · Aug 2023 – Present

- Operate in high-responsibility environments requiring precise documentation, accurate reporting, and sound decision-making under pressure.
- Regularly act as shift leader — coordinating teams, managing operations independently, and maintaining compliance with strict operational procedures.
- Developed strong professional communication, organisational discipline, and the ability to stay calm and effective under pressure.

Night Operations Manager

Sainsbury's Supermarket – London · Sep 2023 – Mar 2026

- Led overnight operations and a team of 8+ colleagues in a high-volume environment, demonstrating leadership, accountability, and structured problem-solving.
- Managed complex operational priorities, produced reports for senior management, and consistently delivered results under time pressure.

Availability: Available immediately for full-time or contract junior/graduate software engineering roles within UK.

Portfolio & Code: github.com/Nahid000001 | References available on request.