

Taimoor Khan

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[LinkedIn](#) | [GitHub](#)

Software Engineer experienced in developing backend services and RESTful APIs using C#, ASP.NET Core, Python, FastAPI, Entity Framework Core, and SQL. I've worked on backend services, APIs, and computer vision applications in production, including deployments on Microsoft Azure, as well as researching and developing computer vision models and integrating AI models into production systems. I have the full right to work in the UK.

Professional Experience

Software Engineer | Full-time | Orman Tech Ltd | October 2025 – Present

- Develop, test, document and maintain backend services using C#, Python, FastAPI and ASP.NET Core. Worked across API, service and data-access layers using Entity Framework Core. Wrote automated tests using xUnit and Moq to validate backend services and business logic. Improved selected API response times by up to 30%.
- Researched, developed, and trained computer vision AI models for the forestry industry, integrating them into a SaaS platform and deploying them on Microsoft Azure.
- Built the end-to-end, desktop-based computer vision annotation platform using Electron.js, FastAPI and PostgreSQL for large-scale geospatial imagery annotation and AI-assisted labelling. Developed an AI-assisted workflow that used human-validated annotations to improve the integrated AI model, reducing manual labelling effort by 50% while retaining human validation.
- Extended the platform with multispectral imagery visualisation to switch between RGB imagery and individual spectral bands in real time. Deployed and maintained the application using Docker-based microservices, Redis and Celery workers across Microsoft Azure container infrastructure and RunPod GPU infrastructure.
- Develop and integrate frontend features with Next.js and TypeScript. I also write automated tests using Playwright while working across the stack to deliver complete application features.
- Take features from requirements through development, testing, CI/CD deployment and production support. Maintain Azure DevOps and GitHub Actions workflows, improving deployment efficiency by up to 25%.
- Monitor Azure resource usage and cloud costs through Azure Cost Management to ensure efficient resource utilisation and cost optimisation.
- Work directly with clients and stakeholders to gather requirements, discuss technical solutions, provide progress updates and deliver production-ready features.

Customer Assistant | Part-time | Morrisons | Cardiff, UK | March 2025 – January 2026

- Provided customer service across the shop floor and café, handling customer queries, payments, refunds and day-to-day requests during busy periods.
- Supported daily shop-floor operations by managing stock and helping customers find products, while working closely with colleagues in a fast-paced environment and developing strong communication, teamwork, organisation and problem-solving skills.

TECHNICAL SKILLS

- Languages: C#, Python, TypeScript, JavaScript, SQL, PostgreSQL, HTML, CSS
- Backend: .NET, ASP.NET Core, FastAPI, EF Core, REST APIs
- Frontend: Next.js, React, React Native
- Cloud and DevOps: Microsoft Azure, Azure DevOps, Git, GitHub Actions, Docker, Kubernetes, Terraform
- Testing: xUnit, Moq, Playwright, Jest

Education

MSc Computer Science | University of South Wales | September 2024 – January 2026

- **Modules:** Data Mining, OOP, Cloud Computing, Mobile Application Development and Project Management
- **Dissertation:** Model-as-a-Service to Predict Flood Risks: Case Study of River Taff

BSc Computer Science | COMSATS University Islamabad | February 2020 – March 2024

- **Modules:** Machine Learning & Deep Learning, Data Structures & Algorithms, Software Development
- **Dissertation:** Urdu Named Entity Recognition

Volunteer Experience

Volunteer Software Developer | Pont-Mbale

- Built a full-stack Next.js website with a custom Content Management System using a .NET Core backend, Azure App Service and Azure SQL
- Developed a role-based Admin Dashboard that enables non-technical staff to manage website content, data, and internal operations more efficiently.
- Owned the solution end-to-end, covering requirements, architecture, development, testing, deployment and ongoing maintenance, while providing technical support and guidance to non-technical users.