David Pizzi

Principal Software Engineer | Azure Architect | Technical Lead

Applied AI, Architecture & DevSecOps | Regulated & Enterprise Environments

✉ david-pizzi@hotmail.com   📞 (+44) 7979 141105   in linkedin.com/in/david-pizzi-6a4092123   🌐 davidpizzi.com

10	**15+**	**£40M**	**9**	**SC**	**Ph.D.**
YEARS AZURE/CLOUD	YEARS .NET/C#	PROGRAMME LED	MICROSOFT CERTS	SECURITY CLEARED	COMPUTER SCIENCE

Executive Summary

Azure Solutions Architect and delivery lead with **10 years' Azure experience** and **3x Microsoft Expert certifications** (Solutions Architect, DevOps, Cybersecurity). Currently leading engineering delivery for large-scale public sector programmes, managing distributed teams of 15-20 engineers across UK and offshore. Driving **Generative AI adoption** — implementing GitHub Copilot and Azure OpenAI solutions to improve developer productivity and delivery velocity. Proven track record delivering cloud-native platforms in regulated enterprise environments.

⭐ GenAI & Applied AI
Driving AI adoption with Azure OpenAI, GitHub Copilot, RAG and agentic solutions

✓ Certified Azure Expert
3x Microsoft Expert certs (Solutions Architect, DevOps, Cybersecurity) + AI Engineer

👥 Delivery Leadership
Leading 15-20 person distributed teams delivering £40M+ programmes

Professional Experience

Capgemini   Cloud & Custom Applications · Greater London (Remote)   Mar 2021 — Present

Principal Software Engineer | Delivery Coordinator   2024 — Ongoing

Public Sector Programme

- Lead engineering delivery for **large-scale public sector programme**, managing **15 engineers** across UK and offshore
- Own technical direction, code quality and architectural alignment across distributed teams
- Drive backlog prioritisation, **cloud-native practices** and **DevSecOps adoption**
- Lead **Generative AI adoption** (GitHub Copilot, Microsoft Copilot) in engineering workflows

Senior Software Engineer   2025

Transport Sector

- Delivered **DevSecOps automation** for data processing platforms
- Improved delivery efficiency and reporting for stakeholders

Senior Software Engineer   2024 — 2025

Internal Innovation Programme

- Designed **applied AI solutions** including RAG and agent-based architectures
- Supported internal innovation and capability development

Lead Solution Architect   2023 — 2024

Public Sector · £40M Programme

- Led platform architecture for **£40M programme**, defining technical strategy and roadmap
- Designed **Azure landing zone** and cloud migration services using CAF/WAF
- Managed **20 engineers** across UK and offshore, strengthening delivery assurance

Platform and Support Lead   2021 — 2022

Mobile Service Provider

- Delivered **platform upgrade** serving **2 million users**, leading cloud engineering team
- Optimised CI/CD pipelines, **reducing time-to-market by 30%**

Cloud Engineer   2021

Car Manufacturer

- Developed **Azure Governance** across tenant with **500+ subscriptions**
- Implemented containerisation with **Docker and Kubernetes**

Core Expertise

- Azure Architecture & Cloud-Native (10 years)
- Software Engineering — .NET/C# (15+ years)
- DevSecOps & Platform Engineering
- Applied AI — RAG, Agents, Copilot
- Delivery Leadership & Team Management
- Regulated & Public Sector Environments

What Sets Me Apart

- PhD + 24 publications — research rigour applied to enterprise delivery
- Full-stack career: Academia → ISV → Consultancy → Enterprise Lead
- AI researcher background, now delivering GenAI in production
- Guest lecturer — strong communication & knowledge transfer

Education

Ph.D. in Computer Science
Teesside University
2006 – 2011

BSc Computer Games Programming
Teesside University
Honours
2003 – 2005

Location & Availability

📍 North East England (Teesside)

⭐ Remote   Hybrid   Newcastle
Teesside

Computacenter UK — Oct 2019 — Mar 2021

Senior Cloud Consultant

- Served as **technical point of contact** in the delivery of Azure infrastructure, inputting to design and implementation of solutions
- Worked closely with customers to understand requirements and implement solutions to meet their needs
- Developed **Infrastructure as Code using Terraform and ARM Templates**
- Provided **SME knowledge** around migration of specific applications and services
- Identified additional Computacenter service and sales opportunities

University of Greenwich London, UK — Oct 2019 — Nov 2022

Industry Guest Lecturer — Part-time

- Postgraduate module COMP1680: **Clouds, Grids & Virtualisation** — Azure, Cloud Computing

Condeco Newcastle upon Tyne, UK — Apr 2018 — Oct 2019

Cloud Architect

- **Accountable for all technical architecture decisions**; coordinated with CTO on engineering initiatives
- Communicated vision and guidelines for architecture and coding best practices across the company
- Led R&D, prototyping and documented architecture specifications for engineering teams

IRIS Software Group Stockton-on-Tees, UK — Jul 2016 — Apr 2018

Senior Software Engineer

- Designed, implemented and delivered **Desktop and Web applications** using C#, .NET and Azure
- Architecture governance, DevOps tasks and **Application Lifecycle Management**
- Conducted technical presentations on best practices and latest technologies

Scott Logic Newcastle upon Tyne, UK — Jul 2014 — Jul 2016

Senior Developer

- **Technical consulting** delivering highly-innovative solutions with Agile/SOLID practices
- Conducted code reviews for clients; mentored graduates and provided technical leadership
- Participated in job interviews and recruitment activities

TeleWare Plc Thirsk, UK — Mar 2013 — Jul 2014

ASP.NET Developer

- Full SDLC delivery: design, implementation, testing and deployment of **ASP.NET enterprise applications**
- Code reviews and collaborative development within the team

Teesside University Middlesbrough, UK — Feb 2006 — Mar 2013

Research Fellow — Feb 2011 — Mar 2013

FP7 European Project CEEDs

- Developed **Narrative Systems in C#** for EU FP7 project; mentored research assistants

Research Associate — Feb 2006 — Feb 2011

DTI BARDS Project with Eidos Interactive

- Developed C++ **AI planners (HSP, HTN)** for gaming; published in VRST, IEEE, AAAI, ICIDS

Technologies

CLOUD & PLATFORM
Azure · IaaS · PaaS · Serverless · AKS · Kubernetes

SOFTWARE ENGINEERING
C# · .NET · Node.js

DEVSECOPS & DELIVERY
Azure DevOps · GitHub · CI/CD · Terraform · Bicep

AI & APPLIED INTELLIGENCE
Azure OpenAI · Semantic Kernel · AI Agent Foundry · GitHub Copilot · Microsoft Copilot · RAG · Agentic Systems

Certifications

MICROSOFT EXPERT (3)
- ✓ Azure Solutions Architect
- ✓ Cybersecurity Architect
- ✓ DevOps Engineer

MICROSOFT ASSOCIATE (3)
- ✓ Azure AI Engineer
- ✓ Azure Security Engineer
- ✓ Azure Administrator

MICROSOFT FUNDAMENTALS (3)
- ✓ Azure AI
- ✓ Security, Compliance & Identity
- ✓ Azure

GITHUB
- ✓ GitHub Copilot Certification

CAPGEMINI
- ✓ Certified Architect
- ✓ M365 Copilot Champion

BCS
- ✓ Enterprise & Solution Architecture

Industry Focus

Public Sector · Financial Services · IT and Software · Retail · Transport

Academic & Research

Research Fellow & Associate
Teesside University
2006 – 2013
AI-driven narrative systems for Eidos Interactive & EU FP7 projects. **24 peer-reviewed papers**, cited 1200+ times (VRST, IEEE, ACII, AAAI FS, AIIDE, ICIDS)

Industry Guest Lecturer
University of Greenwich
2019 – 2022
Postgraduate Module COMP1680: Clouds, Grids & Virtualisation