



# David Pizzi

Principal Software Engineer | Azure Architect | Technical Lead  
Applied AI, Architecture & DevSecOps | Regulated & Enterprise Environments

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10

YEARS AZURE/CLOUD

15+

YEARS .NET/C#

£40M

PROGRAMME LED

9

MICROSOFT CERTS

SC

SECURITY CLEARED

Ph.D.

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

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

Industry Guest Lecturer

Part-time

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

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

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

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

ASP.NET Developer

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

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