



David Pizzi

AI & Cloud Engineering Leader

Generative & Agentic AI Adoption | DevSecOps Transformation | Regulated & Enterprise Environments

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Executive Summary

AI & Cloud Engineering Leader with **15+ years in .NET**, **10 years on Azure** and **3x Microsoft Expert certifications** (Solutions Architect, DevOps, Cybersecurity), driving **Generative and Agentic AI** adoption across regulated enterprise environments. Designed a mission-critical Azure landing zone on a **£40M enterprise programme**, building four reusable transformation patterns across fifty applications, and delivered cloud-native platforms — from CI/CD pipeline engineering and DevSecOps to platform upgrades serving **2 million users**. Now appointed **AI Lead on DEFRA's AI Transformation programme**, progressing from project-level **GitHub Copilot Champion** to **Capgemini Copilot Champion** to **Microsoft Frontier programme member**, implementing GitHub Copilot and **Azure OpenAI** solutions to measurably improve developer productivity and delivery velocity across ~400 people. Translates emerging AI capabilities into structured, production-ready delivery models that improve governance, engineering productivity and organisational capability.

Professional Experience

Capgemini

Cloud & Custom Applications · Greater London (Remote)

Mar 2021 — Present

AI Adoption Lead

2026 — Ongoing

Public Sector AI Programme

- Appointed **AI Lead** for a department-wide AI adoption programme, owning the M365 Copilot strand — roadmap, champion network, learning pathway and KPIs
- Designing a **phased adoption framework** with maturity pathways and champion models

Principal Software Engineer | Delivery Coordinator

2024 — Ongoing

Public Sector Programme

- Operating in a **hybrid technical and delivery leadership capacity** on a UK Government programme, bridging architecture, engineering execution and stakeholder governance
- Introducing **AI-assisted tooling** to improve requirement quality and reduce ambiguity across engineering and business analysis workflows
- Named **GitHub Copilot AI Champion**; driving team adoption improving coding speed, quality and collaboration
- Transforming **Azure DevOps** delivery boards, improving milestone visibility and stakeholder transparency

Senior Software Engineer

2025

Transport Sector

- Built **CI/CD pipeline using Databricks Asset Bundles**, automating deployments and accelerating productionisation
- Redesigned **Azure DevOps project structure** and delivered stakeholder-facing delivery tracking dashboards

Senior Software Engineer

2024 — 2025

Internal AI Innovation Programme

- Prototyped **AI-driven solutions** using RAG and agentic architectures; applied learnings directly to live client delivery
- Contributed to **Agentic AI** capability-building, translating proof-of-concept work into practical engineering outcomes

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/Mission Critical
- 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**; 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

- Applied AI — GenAI, Agentic AI, RAG, Copilot
- Azure Architecture & Cloud-Native (10 years)
- DevSecOps & Platform Engineering
- Software Engineering — .NET/C# (15+ years)
- 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 → Copilot Champion → Microsoft Frontier member → AI Lead — organic progression, not a pivot
- 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** for Azure infrastructure delivery, inputting to design and implementation of solutions
- Developed **Infrastructure as Code using Terraform and ARM Templates** for repeatable, auditable deployments
- Established **scaffold capability** for workload implementation, ensuring consistent and secure landing zone patterns
- Provided **SME knowledge** around migration of specific applications and services

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 architecture vision and **best practice guidelines** to engineering teams 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
- Managed **Azure cloud hosting** and DevOps workflow, maintaining platform health and delivery pipelines
- Architecture governance, DevOps tasks and **Application Lifecycle Management**

Senior Developer

- Technical consulting** delivering highly-innovative solutions with Agile/SOLID practices
- Conducted **code reviews for client teams**, ensuring quality standards and knowledge transfer
- Mentored graduate developers and provided technical leadership to the wider team

ASP.NET Developer

- Full SDLC delivery: design, implementation, testing and deployment of **ASP.NET enterprise applications**
- Performed **code reviews** and approval of other developers' submissions 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
- Produced research reports and publications for EU deliverables and international conferences

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
- Developed an authoring tool enabling game designers to formalise, visualise and validate level solutions as automatically generated storyboards

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

AI & AGENTIC (2025–26)

- ✓ Anthropic: Claude Code in Action
- ✓ GitHub: Copilot
- ✓ Microsoft: Azure AI Engineer (AI-102)
- ✓ Microsoft: MAS: Autonomous Agents
- ✓ Microsoft: MAS: Copilot Studio Agents

MICROSOFT (9)

- ✓ EXPERT: Solutions Architect, Cybersecurity Architect, DevOps Engineer
- ✓ ASSOCIATE: AI Engineer, Security Engineer, Administrator
- ✓ FUNDAMENTALS: Azure AI, Security, Azure

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 1,165+ times (IEEE TCIAIG, ACII, AAMAS, VRST, AIIDE, ICIDS)

Industry Guest Lecturer

University of Greenwich

2019 – 2022

Postgraduate Module COMP1680: Clouds, Grids & Virtualisation