David Pizzi

AI & Cloud Engineering Leader

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

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AI	**10**	**9**	**SC**	**Ph.D.**	**15+**
ADOPTION LEAD	YEARS AZURE/CLOUD	MICROSOFT CERTS	SECURITY CLEARED	COMPUTER SCIENCE	YEARS .NET/C#

Executive Summary

AI & Cloud Engineering Leader with **10 years' Azure experience** and **3x Microsoft Expert certifications** (Solutions Architect, DevOps, Cybersecurity), driving **Generative and Agentic AI adoption** across regulated enterprise environments. Currently serving as Principal Software Engineer and Delivery Coordinator on a UK Government programme — named **GitHub Copilot AI Champion** for leading AI adoption across engineering teams. Implementing GitHub Copilot and Azure OpenAI solutions to measurably improve developer productivity and delivery velocity. Proven track record delivering cloud-native, AI-enabled platforms in regulated enterprise environments — translating 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

Principal Software Engineer │ Delivery Coordinator   2024 — Ongoing

Public Sector Programme

- Operated in a **hybrid technical and delivery leadership capacity** on a UK Government programme, bridging architecture, engineering execution and stakeholder governance
- Introduced **AI-assisted tooling** to improve requirement quality and reduce ambiguity across engineering and business analysis workflows
- Named **GitHub Copilot AI Champion**; drove team adoption improving coding speed, quality and collaboration
- Transformed **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
- 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

- 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 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

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