



# David Pizzi

Senior Software Engineer | Azure Architect | Delivery Lead  
Applied AI, Architecture & DevSecOps | Regulated & Enterprise Environments

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20+

YEARS EXPERIENCE

£40M+

PROGRAMME VALUE

9

MICROSOFT  
CERTIFICATIONS

20+

ENGINEERS LED

SC

SECURITY CLEARED

Ph.D.

COMPUTER SCIENCE

## Executive Summary

Senior Azure cloud architect and software engineer with **20 years' experience** delivering cloud-native platforms and enterprise software across **regulated and enterprise environments**. Leading software engineering, platform delivery and DevSecOps across large, distributed teams. Driving applied **Generative AI adoption**, including GitHub Copilot and Microsoft Copilot technologies, improving developer productivity, cycle time and delivery velocity.



### Applied AI Leader

Driving AI adoption and designing agentic solutions with Azure OpenAI and Copilot technologies



### Azure Expert

3x Microsoft Certified Expert (Solutions Architect, DevOps, Cybersecurity)



### Delivery Leadership

Leading large distributed teams through agile delivery with stakeholder engagement

## 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

Software & Cloud Architecture

Engineering & DevSecOps Delivery

Applied AI & Automation

Delivery & Leadership

## 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

## 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

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

Security Clearance

SC

Security Check

BPSS

Baseline Personnel

Education

Ph.D. in Computer Science

Teesside University

2006 – 2011

BSc Computer Games Programming

Teesside University

Honours

2003 – 2005

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