Brian O'Brien

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# PROFESSIONAL SUMMARY

AI Software Engineer with a strong foundation in cloud-native development, large language models (LLMs), and intelligent application design. Skilled in deploying Azure-hosted AI services, integrating GPT-based solutions, and building scalable systems using .NET Core, C#, and Python. Blends over two decades of software and support experience with modern AI innovation, DevOps best practices, and Agile team leadership.

# CORE COMPETENCIES

Azure OpenAI, GPT-4, LangChain, LangGraph, RAG Architecture, Azure Functions, Azure Cognitive Search, Azure AI Studio, C#, .NET Core, Python, REST APIs, Microservices, Azure DevOps, ARM, Bicep, Docker, GitHub Actions, SQL Server, NUnit, xUnit, Agile/SCRUM

# PROFESSIONAL EXPERIENCE

## Freelance AI & Software Developer

Brian O'Brien Services, LLC — Aug 2023–Present

- Built AI-powered prototypes using Azure OpenAI, LangChain, and custom GPTs for small business automation  
- Developed chatbots and virtual assistants using GPT-4, integrated with third-party APIs and document retrieval systems (RAG)  
- Created .NET MAUI mobile apps with AI features such as voice input, OCR, and real-time form analysis  
- Designed and deployed LLM services on Azure using Functions, Cognitive Search, and AI Studio  
- Delivered proofs-of-concept for AI-enhanced lead gen, customer support, and internal analytics workflows

## Developer Support Engineer

Microsoft — Nov 2019–Mar 2025

- Supported Azure development services including ARM, Bicep, Azure Batch, Storage, and Service Fabric  
- Diagnosed and resolved complex issues for Azure's largest enterprise and government cloud customers  
- Supported customer development in .NET, PowerShell, Java, Python, and JavaScript  
- Advised on architecture and integration strategies for scalable, AI-enabled Azure applications

## Senior Software Engineer

Corepoint Health — Oct 2013–Nov 2019

- Built backend systems with .NET and WPF for healthcare messaging and rules engines  
- Led PoC efforts for cloud migration using Azure SQL and Azure Load Balancer  
- Spearheaded DevOps transformation to Azure DevOps CI/CD pipelines

## Adjunct Faculty (Part-Time)

Dallas College — Jan 2003–Present

- Taught over 1,000 students in subjects including .NET development, database design, and systems administration

## Senior Escalation Engineer

Microsoft — Aug 1999–Dec 2013

- Debugged C/C++, C#, and 80x86 assembler applications for enterprise clients  
- Specialized in performance tuning and critical issue resolution

# CERTIFICATIONS

- Microsoft Certified: Azure AI Engineer Associate  
- Microsoft Certified: Azure AI Fundamentals  
- Microsoft Certified: Azure Fundamentals  
- Developing Solutions for Microsoft Azure

# EDUCATION

Florida State University — B.S. Computer Science

GPA: 3.1 | Upsilon Pi Epsilon Honor Society