

Curriculum Vitae

Personal Information

- **Full Name:** Brenda Marie Jones
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Professional Summary

Experienced software engineer with **7 years of professional development** using **C#, .NET technologies, Blazor, and .NET MAUI**, complemented by strong expertise in **AI/ML solutions**. Skilled at designing and deploying cross-platform mobile and web applications, integrating AI-driven features such as recommendation engines, chatbots, and predictive analytics. Adept at collaborating with stakeholders, leading small teams, and delivering robust, scalable solutions within Agile environments.

Technical Skills

- **Languages:** C#, Python, SQL, JavaScript, HTML, CSS
- **Frameworks & Tools:** .NET 6/7, .NET MAUI, Blazor (Server & WebAssembly), ASP.NET Core, Entity Framework Core, ML.NET, TensorFlow.NET, Azure Cognitive Services, Docker, Git, Azure DevOps
- **Databases:** SQL Server, PostgreSQL, SQLite, MongoDB
- **AI & Data:** Natural Language Processing, Predictive Analytics, Recommendation Engines, Computer Vision
- **Other:** REST APIs, Microservices, CI/CD Pipelines, Agile/Scrum methodologies

Work Experience

Senior Software Developer

Visionary Tech Ltd, Manchester, UK

March 2020 – Present

- Designed and implemented **cross-platform mobile apps** with **.NET MAUI**, delivering seamless user experiences on iOS and Android.

- Built **Blazor-based dashboards** for AI-powered analytics, enabling real-time decision-making for enterprise clients.
- Developed and deployed **machine learning models** with **ML.NET** and **Azure Cognitive Services** to provide predictive insights and natural language processing features.
- Led a team of 4 developers in migrating legacy applications to a **Blazor WebAssembly architecture**, improving maintainability and performance.
- Collaborated with data scientists to integrate **AI-powered chatbots** into customer portals, improving customer support efficiency.

Key Projects:

- *InsightAI*: An AI-driven business intelligence platform combining **Blazor WebAssembly** with **ML.NET** models for predictive analytics. Used by finance firms to forecast trends and reduce risks.
- *MediConnect Mobile*: A patient engagement app built with **.NET MAUI**, featuring appointment scheduling and an AI-based symptom checker.

Software Developer

NextGen Solutions, Salford, UK

February 2016 – February 2020

- Developed **enterprise web applications** in **ASP.NET Core** and **Blazor Server**, focusing on data-heavy workflows.
- Designed **recommendation systems** for e-commerce clients using **ML.NET** integrated into C# services.
- Implemented secure REST APIs consumed by web and mobile clients.
- Automated data pipelines to integrate with AI models and improved performance through caching and optimized queries.
- Mentored junior developers and introduced best practices in unit testing and code reviews.

Key Projects:

- *ShopSmart*: An e-commerce platform with a **personalized recommendation engine** powered by ML.NET, increasing conversion rates by 18%.
- *EventFlow*: A Blazor Server-based event management platform with AI-driven audience targeting for marketing campaigns.

Education

MSc Artificial Intelligence
University of Manchester, UK
2013 – 2015

BSc (Hons) Computer Science
University of Manchester, UK
2010 – 2013

Certifications

- Microsoft Certified: **Azure AI Engineer Associate** (2022)
- Microsoft Certified: **.NET Developer Expert** (2021)
- TensorFlow for Deep Learning (Coursera, 2020)

Personal Interests

- Member of Manchester AI & .NET Meetup groups.
- Blogging about **Blazor, .NET MAUI, and applied AI**.
- Mentoring early-career developers in C# and AI technologies.
- Enjoys running and photography in the Peak District.