

Curriculum Vitae

Personal Information

- **Full Name:** Jessica Louise Bailey
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Professional Summary

Dedicated and results-driven software developer with 4 years of experience in **C#**, **ASP.NET Core**, and **Blazor**. Skilled in building modern, responsive, and data-driven applications, particularly with Blazor Server and Blazor WebAssembly. Experienced in working with agile teams, delivering scalable solutions, and optimizing application performance. Strong focus on clean architecture, maintainability, and providing an excellent user experience.

Technical Skills

- **Languages:** C#, SQL, JavaScript, HTML, CSS
- **Frameworks & Tools:** ASP.NET Core, Blazor (Server & WebAssembly), Entity Framework Core, SignalR, Azure DevOps, Git, Docker
- **Databases:** SQL Server, PostgreSQL, SQLite
- **Other:** REST APIs, Agile/Scrum methodologies, CI/CD pipelines, Unit Testing (xUnit, NUnit)

Work Experience

Software Developer

ClearPath Systems, Manchester, UK

July 2021 – Present

- Designed and developed client portals using **Blazor WebAssembly**, enhancing user engagement and reducing support tickets by 30%.
- Created reusable **Blazor components** to accelerate development across multiple projects.
- Integrated **SignalR** for real-time communication features such as live notifications and chat systems.

- Optimized database interactions using **Entity Framework Core**, reducing query times by up to 40%.
- Collaborated with designers to ensure responsive and accessible UI across devices.

Key Project:

- *MediTrack Online*: A healthcare appointment and patient records portal built with **Blazor Server** and SQL Server, enabling doctors and patients to securely access real-time data.

Junior Software Developer → Software Developer

NextWave Technologies, Manchester, UK

June 2019 – June 2021

- Developed internal and customer-facing web apps using **ASP.NET Core** and **Blazor**.
- Built **reporting dashboards** with interactive Blazor components, providing real-time business insights for clients.
- Assisted in migrating legacy ASP.NET MVC applications to **Blazor WebAssembly**.
- Participated in Agile sprints, contributed to code reviews, and wrote unit/integration tests.
- Worked closely with senior developers to adopt best practices in C# coding standards and design patterns.

Key Projects:

- *SalesInsight*: A Blazor-based sales performance dashboard integrating REST APIs and SQL Server data, reducing reporting overhead by 20%.
- *EventEase*: A ticket booking and event management system, built with **Blazor WebAssembly** and secure payment integration.

Education

BSc (Hons) Computer Science

University of Salford, UK

2016 – 2019

Certifications

- Microsoft Certified: **.NET Developer Associate** (2022)
- Pluralsight: **Blazor Fundamentals** (2021)

Personal Interests

- Active member of the Manchester .NET Meetup community.
- Blogging about **Blazor development** and UI best practices.
- Enjoys hiking in the Peak District and photography.