Courtney Fairall

Full Stack Software Engineer

📞 615-513-0607
✉ courtneynfairall@gmail.com
in linkedin.com/in/courtneyfairall
🌐 courtneyfairall.netlify.app

Joyful problem-solver and digital craftsperson seeks collaboration and growth

TECH SKILLS AND TOOLS

C#/.NET, JavaScript, React, Vue, Next.js, HTML, CSS, Bootstrap, jQuery, Entity Framework, SQL/MySQL, Git/GitHub, Visual Studio, Postman, Figma, AWS, Azure, CI/CD

EXPERIENCE

.NET Developer, Business Systems | QuaverEd   Jan 2025 - Present

- Shipped new .NET web app to integrate with existing digital curriculum to allow user educators to track skills development in social emotional learning
  - Worked directly with C-suite to translate user and business needs to original features
  - Developed using the MVC pattern to separate business logic (Controller), data models, and presentation layer (Razor Views)
  - Implemented the Repository pattern to encapsulate raw SQL queries for all data access operations (CRUD, filtering, joins)
  - Designed RESTful routes and responsive Razor Views using Bootstrap and jQuery
  - Added session-based authentication, user roles, and data validation
- Legacy Backend Rewrite & API Modernization
  - Migrated and modernized a legacy PHP backend into a scalable, maintainable ASP.NET Core Web API using Entity Framework and existing Vue.js frontend
  - Connected to existing production MySQL databases using Pomelo.EntityFrameworkCore.MySql, leveraging database-first modeling
  - Used Data Annotations to enforce validation and map C# models to legacy database schema without altering the existing DB
  - Designed RESTful API endpoints to integrate seamlessly with an existing Vue.js frontend, ensuring backward compatibility
  - Applied Repository pattern and service layers to separate concerns and simplify testing and future maintenance

Junior Instructor | Nashville Software School   Sept 2024 - Jan 2025

- Part of 6-person instructional team across 4 concurrent cohorts at varying levels of front and back end learning, serving approximately 80 adult learners, fully remotely
- Acted as Scrum master for student work groups, reviewed and provided feedback on coding assignments using JS, C#, HTML, CSS, and React, .NET, EF Core, and Postgres
- Assisted in debugging live and via student-submitted issue tickets

Full Stack Developer, Apprentice | Nashville Software School   June 2023 - June 2024

- NSS Evening Web Development program is a year-long, part-time software development bootcamp focusing on HTML, CSS, JavaScript, React, and server-side fundamentals with C# and .NET in a remote, Scrum-styled simulated company environment
- Single-page full-CRUD application development with React and Next.js with a focus on modern, ES6+ JavaScript features and modular code
- Designed and implemented minimal APIs in C# for client-server communication
- Employed a code-first approach to integrate Entity Framework with PostgreSQL databases

EDUCATION

MILLS COLLEGE   B.A., Anthropology and Sociology | 2009