Austin Denofrio *.NET Developer*

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- Portfolio | https://denofrio-fullstack-developer.netlify.app/

Skills

.NET 8   **Blazor:** Blazor Comp., DHTML W/ Razor Syntax, Blazor Interactive Rendermodes, WASM

C#: Server side and Client side with WebAssembly   **JavaScript**   **Bootstrap**   **HTML**   **CSS**

Microsoft SQL   **GitHub/Git**   **LabView**   **A-Frame**   **Web Flow**

Atlassian Cloud - Confluence   **NI DAQ Systems**

Professional Experience

Full-Stack Web Developer, *Coder Foundry*   Mar 2024 — Jun 2024
Kernersville, United States

Description

I participated in a full-time, 12-week cohort at Coder Foundry, a prestigious and selective bootcamp specializing in full-stack .NET application development using Blazor. The intensive program included 8-hour class days and additional after-class work, five days a week. Starting with the basics and progressing through advanced front-end and back-end technologies, I developed sophisticated full-stack applications. This rigorous curriculum provided me with comprehensive skills in web development, preparing me to build and manage robust, scalable software solutions.

Key Features Learned

- Foundational Coding & Styling: Started with basic HTML and CSS, and progressed to using Bootstrap for enhanced styling efficiency.
- JavaScript & Front-End Projects: Built front-end apps demonstrating problem-solving skills, including RESTful API calls and DOM manipulation.
- Full-Stack Development: Created applications using ASP.NET Core and Blazor, focusing on C#, HTML, Bootstrap, and CSS.
- Database & Data Management: Used PostgreSQL and Entity Framework for database communication and implemented data-driven development.
- Authentication & Authorization: Integrated role-based access control and multi-company support for project and ticket management.
- Debugging & Testing: Developed skills in debugging and testing both front-end and full-stack applications.
- RESTful APIs: Gained proficiency in creating and utilizing RESTful APIs for data communication.

Embedded Software QA, *Akkodis*   Apr 2022 — Sep 2023
Louisville, United States

- Functionality Validation & Bug Reporting: Validated software and hardware functionality against requirements, created detailed bug tickets, and provided repeatability steps for issues.
- Test Planning & Method Development: Developed detailed test plans and methods for globally sourced products, ensuring consistency and quality across different markets.
- Embedded Software Investigation: Investigated embedded software and requirements for logical gaps, ensuring thorough validation.
- Collaboration & Strategy Development: Collaborated with software teams, project managers, and hardware teams to develop test strategies and ensure comprehensive requirement coverage for innovative patented products.
- Documentation & Information Sharing: Authored instructional documents, including guides on flashing hardware, collecting serial logs, and identifying hardware components, enhancing information sharing at GE.
- Expertise in Connectivity: Developed expertise in Wi-Fi and Bluetooth connectivity logic, serving as the primary QA tester for Bluetooth features in the SWQA Cooking department.
- Load Box Development: Contributed to the development and testing of custom load boxes compatible with NI's DAQ modules for automation solutions.

Digital Repository Documentation Specialist, *Akkodis*   Sep 2023 — Feb 2024
Greensboro, United States

Collaborated with Gilbarco in the transition of all legal documents from paper copies to a cloud-based repository. Provided support in the uploading, validation, and verification processes of contracts.
- Sorting contracts based on contract validity in SharePoint.
- Safe handling of confidential legal documents for transition from cloud locations.
- Uploading Contracts to Ironclad.
- Validating AI upload accuracy and making corrections.

Education

Forsyth Technical ⧉   2014 | Winston-Salem, United States

Courses

VR Web Design, *Meta Mission*   Feb 2023 — Mar 2023
Louisville, United States

I acquired proficiency in VR web design using the A-Frame framework, leveraging it as a frontend solution for contemporary web design.

CS-50 (Computer Science), *Harvard*

Software Development, *Code Louisville*   Nov 2021 — Jan 2022

Introductory C# Coding Class: Covers fundamental principles of coding using C#, focusing on building a console application that implements key concepts.

Front-End Web Development, *Code Louisville*   Nov 2020 — Apr 2021
Louisville, United States

Front-End Development Class: Utilized HTML, CSS, and JavaScript to create a portfolio webpage, emphasizing practical skills in front-end web development.

Projects

BugFix Center, *Bug Tracker : https://bugfix-center-production.up.railway.app/* ⬀
Full-Stack WebApp in .NET and Blazor
Developed a full-stack bug tracker application using ASP.NET Core and Blazor frameworks, leveraging C#, HTML, Bootstrap, and CSS. Hosted on Railway with PostgreSQL as the database, and utilized Entity Framework for database communication. Implemented various rendering modes, including SSR, Blazor InteractiveServer, and Blazor InteractiveWebAssembly. Focused on data-driven development by creating models, DTO extension methods, and database model mapping services. Built controllers and implemented interfaces using dependency injection. Incorporated authentication and role-based authorization on both the front-end and server, with distinct roles for admins, project managers, developers, and submitters. The application supports multi-company usage, allowing unique members to create projects, manage tickets, and comment on ticket progress.

Current Blogs, *Blogging App : https://currentblogs-production.up.railway.app/* ⬀
Full-Stack WebApp in .NET and Blazor
Designed and developed a full-stack blogging web application utilizing ASP.NET Core and Blazor frameworks, with a focus on C#, HTML, Bootstrap, and CSS. The application is hosted on Railway and uses PostgreSQL as the database, with Entity Framework facilitating database interactions. Employed multiple rendering modes, including SSR, Blazor Interactive Server, and Blazor Interactive WebAssembly. Implemented robust data management by creating comprehensive models and DTO extension methods, along with database model mapping services. Constructed controllers from the ground up and integrated dependency injection for interface implementation. Established role-based authentication and authorization, defining roles for authors, moderators, and users. The app enables authors to create, manage, and categorize posts, while authenticated users can comment on posts and search by categories or tags. Both authors and moderators have the ability to manage comments, ensuring active moderation and community engagement.