TREVOR R. STUART

Software Developer

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Software developer searching for an opportunity to join a dynamic development team that is dedicated to building solutions to real world problems. Passionate about problem solving, learning, and helping others succeed.

Professional Experience

Web Application Developer

Orbis Education, Inc. August 2022 – Present

- Sole developer on EdTech team responsible for managing the automated data flow of students from 27 different schools into the Canvas online learning management system.
- Independently developed a .NET Core MVC application named "At-Risk Dashboard" for professors and deans, enabling them to monitor student progress in courses and view overall statistics for entire courses.
- Oversaw the successful implementation of Azure Active Directory authentication for users of the At-Risk Dashboard, enhancing security and user access management.
- Assisted in the development of a .NET Web Forms administration dashboard for Orbis staff, streamlining the management of automated processes for student data. Managed these processes manually using SQL before the completion of the administration dashboard.

Software Development Instructor

Eleven Fifty Academy August 2020 – August 2022

- Instructor of software development in a team-teaching environment.
- Subjects taught: C#, HTML, CSS, SQL, .NET Entity Framework, .NET Core, Blazor, and Agile Methodology.
- Developed applications and wrote lesson plans for Blazor WASM, dependency injection, and database architecture.
- Wrote a comprehensive study guide and led study sessions for students attempting Microsoft's MTA 98-361 Software Development Fundamentals certification exam.

Seed Lab Manager

Beck's Hybrids, Inc. February 2012 – September 2019

- Assisted geneticists in the collection and analysis of phenotypic data on agricultural crops.
- Developed tools for team members to streamline or automate day-to-day tasks using Python scripts, MS Excel, and a database UI known as PRISM.
- Acted as point person in the identification and purchase of new software and hardware technologies – as well as the troubleshooting, training, and implementation of those technologies.

Education

Software Development Bootcamp | Eleven Fifty Academy | 2019
Bachelor of Arts | History | Franklin College | 2010

Technical Skills

Languages : C#, Python, SQL, HTML, CSS
Technologies : .NET EF, Bootstrap, Blazor
Testing Tools : Postman, Swagger
Skills : Git Workflow, Agile Methodology

Certifications

- CompTIA Project+ Certification
- CIW Web Development Associate
- Udacity Nanodegree - Data Analysis
- MTA 98-361 Software Development Fundamentals

Nukleo

Application for the management of agronomic test trials. Records trial visits and jobs performed, stores documents needed by employees when visiting test trials, creates ad hoc visualizations for monitoring progress of agronomic duties and data collection tasks. Built as a .NET EF Web API with a React front-end.
https://github.com/tstuart87/Nukleo

Reading Tutor

I developed Reading Tutor using HTML, CSS, and JavaScript specifically to assist my mother—an elementary school librarian and reading tutor. The app offers reading practice through short stories with interactive features such as text highlighting that changes the formatting of the text to make it less intimidating to struggling readers, adjustable font sizes, and buttons for reading aloud or spelling words using a screen reader. Simultaneously, this project served as a valuable opportunity for me to enhance my JavaScript skills.
https://tstuart87.github.io/ReadingTutor/