

DEVIN HALE

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LANGUAGES AND TECHNOLOGIES

Languages: Javascript, Typescript, C#, C++, Python, SQL, HTML/CSS

Frameworks and Libraries: .NET, ASP.NET, React, NodeJS, Express, Jest, TailwindCSS, Bootstrap, Redux Toolkit

Technologies and Tools: MS SQL Server, MongoDB, Git, Bash, PowerShell, Azure, Neovim, CMake

WORK EXPERIENCE

Junior Software Developer | OrthoTOM

Aug 2023 - Present

- Full-stack software developer for a SASS web manager for medical equipment supply chains, utilizing Javascript and React for the front end, and .NET, C#, and MSSQL Server for the back end.
- Strengthened the security of a .NET Rest API by implementing updated endpoints, following stringent government regulations governing sensitive, HIPAA-protected patient data. Completed a month ahead of schedule and saved company \$5000 in retesting fees.
- Spearheaded the development of a new marketing website from inception to execution, leveraging ASP.NET Core Razor Pages and Entity Framework. Engineered a .NET 6.0 Backend integration to dynamically retrieve and present customer and partner data.

Implementation Support Specialist | OrthoTOM

Jul 2022 - Jul 2023

- Engineered and implemented customized automation tools utilizing Node.js, optimizing support and onboarding procedures, resulting in a 50% reduction in customer onboarding time.
- Designed, developed and implemented solutions for user-reported software bugs.
- Led comprehensive training programs for internal employees and users, enhancing overall user fluency.
- Authored and maintained extensive technical documentation for company web application within an internal knowledge base, ensuring clarity of usage for users and employees.

Computer Science Teacher | Blount County Schools

May 2021 - May 2022

- Developed and taught a comprehensive, personalized curriculum focusing on foundational hardware and computer science concepts, significantly improving students' proficiency in general technology.
- Empowered an underserved community by imparting knowledge of essential computer fluency skills, including touch typing, Google Suite, Microsoft Office, Windows shortcuts, and basic troubleshooting.
- Introduced students to the fundamental principles of programming through HTML, CSS, and JavaScript.

PROJECTS

Pong From Scratch

2024

- Implemented classic video game, Pong, from scratch using only C++.
- Uses SDL2 to interface with native window APIs for rendering graphics.
- Utilizes CMake as a cross-platform build system.
- Implements a custom game engine using object oriented programming and design patterns.

Educational Documentation Web Platform

2023

- Frontend created with TypeScript, React, and Next.js.
- Application state management and API calls handled with Redux Toolkit.
- Communicates to a custom engineered backend REST API that facilitates the modeling and transfer of educational documentation data via JSON.
- Stores and interfaces with data using MongoDB as a database.
- User and session authentication handled via encrypted JSON web tokens.
- Designed using test-driven development with Jest as a testing framework.

EDUCATION

Bachelor of Science in Computer Science | Jefferson State Community College

Jan 2024 - Present

- Course work in Python Programming, Object Oriented Programming, and Differential Calculus

Bachelor of Arts in Music Education | Jacksonville State University

Aug 2016 - May 2021

- Graduated Cum Laude
- Instructed and mentored freshman jazz ensembles as an Undergraduate Assistant