

Peter Monahan

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SKILLS .NET, C#, Azure, JavaScript, Angular, React, Python, SQL, Docker, Express, Flask, HTML5, CSS3, Git

PROJECTS

JustChess (Python, Flask, React, Redux, Socket.IO, Flask-SocketIO, SQLAlchemy, PostgreSQL, HTML5, and CSS3) [Live Site](#) | [Github](#)

A website based on chess.com where users can add friends, send messages, and play a game of chess with another user.

- Implemented back-end game logic using **OOP** principles of inheritance and polymorphism, with a base “Piece” class and child “ShortRange” and “LongRange” classes, which individual pieces inherit from, achieving code reusability and a smaller codebase.
- Incorporated **websockets** using **Socket.IO** to keep game state and message history constant between users.
- Used the **CSS** transform property to position chess pieces, allowing use of the transition property to accomplish smooth movement animations.

Vistagram (ASP.NET, C#, Angular, Typescript, PostgreSQL, Entity Framework, HTML5, and CSS3)

[Live Site](#) | [Github](#)

A website inspired by Instagram where users can follow other users and create posts with pictures and captions.

- Utilized the **Entity Framework** in **C#** to establish a self-referencing many-to-many relationship, enabling efficient and scalable tracking of user relationships in the implementation of the user follow feature.
- Designed and implemented a dynamic **Angular** feed component displaying posts exclusively from followed users in chronological order, prioritizing relevant content for an optimized user experience.
- Successfully deployed and hosted the web application and database on **Azure**, leveraging cloud computing technologies for optimal performance and scalability.

MediumClone (Python, Flask, React, Redux, SQLAlchemy, PostgreSQL, HTML5, and CSS3)

[Live Site](#) | [Github](#)

A full-stack web application where users can write stories, add comments, and like/dislike stories and comments.

- Partnered with three other students to create the website, utilizing **git** workflow to manage version control and minimize merge conflicts and bugs being pushed to production.
- Implemented comments and replies with a reusable stacking **react** component, achieving an infinite reply depth.
- Consistently **pair-programmed** and provided code reviews for the team to streamline the debugging process, and made daily corrections to better polish the project by the deadline.

EXPERIENCE

Nitto Advanced Components Jackson

Jackson, Missouri

Machine Operator

June 2020 – Present

- Succeeded both on a team, and in a solo role, to stay productive and exceed expectations. On one occasion I was trained on a new machine and within a month I had fine tuned its settings, reducing the time it took to run a single roll by 35%.
- Worked together with another employee to remove defects to rework approximately \$160,000 worth of material each month that would otherwise be scrapped, saving \$1,920,000 each year.
- Supported three other departments as needed, and was frequently praised for my ability to learn quickly and for my attention to detail, as I frequently found defects that the operators had missed.

Chick-fil-A

Cape Girardeau, Missouri

Team Leader

January 2017 – June 2020

- Operated as team leader over ten to fifteen people during peak sales hours, facilitating communication and speed.
- Achieved record number of 120 cars served in the drive-thru during lunch hour.
- Headed outside drive-thru order taking in all weather conditions with exceptional customer service, serving 100+ guests an hour.

EDUCATION & CERTIFICATIONS

App Academy

Online

Curriculum of Study in Full Stack Web Development (Python, JavaScript, and libraries including React, Flask, and Sequelize) January 2023

Microsoft Certified: Azure Fundamentals (AZ-900)

Demonstrates foundational-level knowledge of cloud services and how those services are provided with Microsoft Azure.

March 2023