Jackson Rhea

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SUMMARY

Computer science graduate (Summa Cum Laude) with full-stack development experience in React, Node.js, ASP.Net, and Typescript. Skilled in building scalable, high-performance applications, and optimizing APIs for efficiency. Passionate about problem-solving, clean and efficient code, and delivering impactful software solutions in fast-paced environments.

EDUCATION

B.S., Computer Science; Game Development Certificate (Summa Cum Laude)   **May 2024**
Arizona State University, Tempe, AZ   3.87 GPA
Ira A. Fulton Schools of Engineering
Coursework: Courses in Data Structures, Algorithms, and Software engineering, with a focus on backend development, API design, and distributed systems
Awards: Provost Scholarship from ASU, **Dean's List** (All semesters)

TECHNICAL SKILLS

Languages: C#, JavaScript/TypeScript, Python, Swift, Java, C++, HTML/CSS, SQL
Frameworks/Libraries: ASP.Net, NodeJS, React, Unity, Unreal
Databases: SQL, Firebase, PostgreSQL
Tools: GitHub, Azure, Visual Studio, Docker, SQL Management Studio

WORK EXPERIENCE

Sandhills Global (GoCurrency): Software Developer (Azure, ASP.Net, C#, Typescript)   **June 2023 – Present**
- Currently architecting the creation of a GAP and Extended Warranty service which will allow every application to add on products to cover their financed equipment, expected to generate over **six figures** of business value
- Successfully integrated with the Department of Transportation's FMCSA **RESTful API** to automate the generation of safety reports, reducing manual workload and improving sales efficiency
- Developed back-end **RESTful APIs** using **ASP.Net**, enhancing data retrieval speed and maintainability
- Followed **Scrum** methodology in order to achieve the timely delivery of software solutions

ACADEMIC PROJECTS

Elden Ring Boss Checklist React App   **June 2024**
React Native App, utitlizing Expo Go for simulation and Apple for hosting
- Designed and developed a full-featured **React Native app** to track every boss in Elden Ring, providing detailed descriptions and interactive map locations for **207 bosses**
- **Manually collected** and structured data due to the lack of accurate public APIs, demonstrating **problem-solving** and **data organizational** skills
- Implemented dynamic filtering and completion tracking logic, ensuring bosses marked as complete move to the bottom of the list and location-based filtering provides an efficient user experience
- Utilized **Expo Go** for simulation and testing, ensuring seamless deployment and **beta testing** via **Apple's Developer Program**

Mobile Pantry Application Capstone Project   **Spring 2024**
Developing a mobile pantry management app in a team of three using **Typescript** and **Docker** for containerization
- Engineered API calls between the front and back ends, facilitating efficient and real-time updates for user interactions such as household management, and user updating
- Resolved API synchonization issues, ensuring seamless communication between the **front-end** and **back-end** services
- Designed and implemented interactive UI components, including a dynamic filtering system for user management

Social Media Photo Sharing App   **Spring 2023**
Created a web application that allowed users to share photos, comment, like, and search (JS, HTML/CSS, React.js, SQL)
- Engineered a dynamic comment system using the **PERN stack**, enabling seamless user interactions
- Using a **SQL query**, created a function to find friend recommendations based on who the main user followed and who the main user's followers followed
- Designed an interactive UI displaying structured comments, friend recommendations, and real-time interactions
- Tested and debugged the comment and mutuals system to ensure its reliability and functionality

Workout Generator IOS Application   **Fall 2023**
Developed a **Swift-based** IOS application utilizing Firebase for seamless user authentication and data storage (Swift, Firebase)
- Developed a **Firebase-authenticated** login system, enabling secure profile management for users
- Integrated third-party **RESTful APIs** to generate personalized workout routines based on user preferences
- Utilized **Firebase** storage to handle user images, allowing for personalized user profiles alongside profile editing