



Russell Welch

Student at Clemson University, acquiring a Bachelor of Science in Computer Science.

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Summary

Software engineer specializing in **React**, **Next.js**, **TypeScript**, and **Supabase**. Lead Software Engineer at Goldfinger Monitors, building internal tools and customer-facing platforms. Developer of side projects like **Dare2Watch** and a personal portfolio. Currently pursuing a Bachelor's in Computer Science at Clemson University.

Experience

Goldfinger Monitors

Lead Software Engineer

May 2023 - Present

- Lead the design, development, and deployment of full-stack web applications using modern technologies including **React**, **Next.js**, **TypeScript**, and **Supabase** (PostgreSQL) to support both internal and customer-facing operations.
- Architect and implement internal software solutions to streamline logistical operations, including **inventory management systems**, **production tracking tools**, and **assembly manufacturing data collection**, resulting in improved operational efficiency.
- Collaborate with cross-functional teams to develop **marketing materials** such as interactive **games** and **videos** for tradeshows, leveraging **Unity** and **C#** to create engaging experiences that enhance brand visibility.
- Oversee the development of customer-facing platforms, including a **Return Merchandise Authorization (RMA)** portal, improving customer satisfaction and reducing support response times.
- Ensure the scalability, security, and performance of all applications, while maintaining best practices in **code quality**, **testing**, and **version control**.

🔗 <https://www.goldfingermonitors.com/>

Goldfinger Monitors

Software Engineer Intern

June 2022 - May 2023

- Developed internal tools using **C#** and **.NET Framework** for LED controller boards and hardware automation.
- Built and maintained **Java-based Point of Sale (POS)** systems on **Linux**, ensuring smooth operation and integration.
- Transitioned from **RMA technician**, troubleshooting and repairing monitors and hardware.
- Utilized **spreadsheets** and **databases** for inventory tracking and repair logs.

🔗 <https://www.goldfingermonitors.com/>

James Island Charter High School

IT Specialist Intern

June 2021 - August 2021

- Provided IT support for faculty, managing **Windows** and **macOS** systems.
- Set up and maintained **network infrastructure** and **server hardware**.
- Troubleshoot hardware and software issues, ensuring smooth operation of school systems.

🔗 <https://www.linkedin.com/company/15996858>

Projects

Dare2Watch

Commissioned Side Project

June 2024 to Present

- Designed and developed a full-stack e-commerce platform for **Dare2Watch**, a luxury watch retailer, using **TypeScript**, **Next.js**, and **Supabase**.
- Built a robust **backend inventory management system** to track and manage watch stock, ensuring real-time updates and seamless integration with the frontend store.
- Developed a responsive **frontend store** for customers to browse and purchase watches, providing a smooth and intuitive user experience.
- Responsible for ongoing maintenance, feature updates, and performance optimization of the website.

🔗 <https://dare2watch.co>

Personal Portfolio

Personal Side Project

October 2023 - November 2023

- Developed a personal portfolio website to showcase my skills, projects, and background as a **software engineer** and **web developer**.
- Built using **JavaScript**, **jQuery**, and **MySQL**, the site features a clean, responsive design and highlights both professional and personal projects.

🔗 <https://russellwelch.dev>

Education

Clemson University

Computer Science

Bachelor of Science - BS

August 2021 - May 2025

James Island Charter High School

GPA 4.43

August 2017 - June 2021

Certifications

PC Pro

TestOut

June 2021

- Proficiency in computer hardware and OS maintenance
- Hands-on experience with Windows and troubleshooting
- Certification for computer repair and maintenance careers

🔗 <https://w3.testout.com/courseware/pc-pro>

Awards

CTE Completer

James Island Charter High School

June 2021

CTE Department Coding Award

James Island Charter High School

June 2021