

Scott Martel

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Experience

Software Development Intern

July 2022 - Current

SD Solutions LLC - Luray, VA (Remote)

- Designed and developed full-stack web applications using Java Spring and React.js.
- Deployed applications on cloud platforms for easy accessibility and scalability.
- Developed and maintained a Rust network scanning library, providing efficient and secure scanning.
- Utilized Agile methodologies to ensure timely delivery of high-quality software.
- Utilized Git version control to manage code changes and maintain project history.
- Wrote unit tests using JUnit and assisted with testing software products being developed.
- Engaged in continuous learning and development to stay current with industry trends and technologies.

Projects

SimpleEQ - 3 Band Audio Equalizer

SimpleEQ is a 3-band audio equalizer that provides a straightforward, yet powerful way to shape your sound.

- Designed and developed, using C++ and the JUCE framework.
- Implemented real-time visual feedback to aid users in understanding the impact of their adjustments.
- Engineered an intuitive user interface that caters to both professional audio engineers and beginners, making the tool accessible and easy to use.
- Employed the JUCE framework for cross-platform compatibility, ensuring SimpleEQ could be utilized in diverse digital audio workstations.

E-Commerce Web Application

An e-commerce online store front that allows customers to browse and purchase products

- Designed and implemented a scalable e-commerce solution using React, Stripe API, and Google Firebase, streamlining the shopping experience for customers.
- Integrated Stripe API to enable secure payment processing and order tracking for customers.
- Implemented responsive design to ensure optimal user experience on different devices and screen sizes.

Education

Southern New Hampshire University | Manchester, New Hampshire

Expected 2024

Bachelor of Science in Computer Science - GPA: 4.0

Skills

Programming Languages: Java, Javascript, Typescript, Python, C++, Bash, HTML, CSS, SQL

Frameworks: React, Spring, JUnit, Node JS, Express JS, TailwindCSS, Bootstrap, JavaFX

Technologies/Tools: AWS, Maven, Git, Google Firebase, Heroku, Figma, CI/CD, UI/UX, Linux