

Stephan Randle

Full-Stack Web Developer

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Full Stack Development ♦ Database Management ♦ Agile Methodologies ♦ API Development ♦ Version Control (Git) ♦ Problem Solving ♦ Test-Driven Development ♦ Cloud Computing & Deployment

Full Stack Web Developer with 3 years of proven expertise in designing and implementing innovative solutions. Skilled in both front-end and back-end technologies, specializing in ReactJS, NodeJS, and database management. Demonstrated success in contributing to the development and deployment of dynamic web applications. Eager to leverage my technical proficiency to drive excellence in cutting-edge projects and contribute to the success of forward-thinking teams.

SKILLS

- Bash
- C / C++
- HTML5 / CSS3
- Jinja
- PostCSS / TailwindCSS
- JavaScript / TypeScript
- Astro / Alpine.JS
- NextJS / ReactJS
- Golang
- Rust
- MongoDB / PostgreSQL
- Markdown

WORK EXPERIENCE

Frontend Developer, UWM — 08/2022 - Present

- Developed and maintained responsive web applications using NextJS and NodeJS.
- Collaborated with cross-functional teams to ensure seamless integration of components.
- Led the initiative to establish coding standards, fostering a collaborative environment that not only significantly improved code quality and consistency within the development team but also emphasized the importance of mentorship and knowledge sharing.
- Integrated data seamlessly from a .NET C# server and Contentful CMS, ensuring efficient data flow and real-time updates for web applications.
- Developed a groundbreaking system that programmatically mapped Contentful CMS information to React components, streamlining the development process and improving project scalability.
- Utilized Material-UI for styling components, ensuring a cohesive and visually appealing user interface.
- Created comprehensive unit tests using the React Testing Library and Jest, enhancing the reliability and stability of the codebase. Also leveraged Storybook and Zeppelin for thorough testing and seamless component creation, contributing to a robust and user-friendly UI.
- Wrote scripts to facilitate infrastructure as code creation, automating repetitive tasks and optimizing development workflows.

Electrical Engineer, AXYS — 11/2019 - 03/2022

- Developed and maintained HMI interfaces using FactoryTalk, ensuring user-friendly interactions and seamless integration with control systems.
- Conducted thorough testing and troubleshooting to ensure the reliability and performance of electrical systems.

PROJECTS

Mad Professor Blog

<https://github.com/stephansama/srandle-blog>

<https://madprofessor.blog/>

Developed a dynamic web application using Astro, TypeScript, and Alpine.js, featuring a sleek and responsive design achieved through Tailwind CSS. Integrated visually appealing Iconify icons to enhance the user interface. Implemented Sanity CMS for seamless content management, allowing effortless updates and additions. To prioritize security, Netlify serverless functions were employed to handle environment secrets, reinforcing robust security practices. The project serves as a personal knowledge repository, hosting a curated collection of information encountered in daily life. This initiative not only showcases technical proficiency but also emphasizes a commitment to a secure and user-friendly web environment.

Salary Calculator

<https://github.com/stephansama/salary-calculator>

<https://sr-salarycalculator.netlify.app>

Designed and implemented a versatile Salary Calculator application using TypeScript, Tailwind CSS, and Vite. This intuitive tool allows users to input either pre or post-tax hourly/salaried rates and dynamically computes the corresponding model based on configurable tax parameters within the application. The application offers a seamless user experience, providing a clear interface for users to input their salary details and instantly view the equivalent model. By creating the Salary Calculator, I aimed to simplify the process of understanding and comparing pre and post-tax salary structures. The Oproject not only demonstrates proficiency in TypeScript, Tailwind CSS, and Vite but also showcases a practical application of problem-solving and user-centric design in the realm of financial tools.

Image Shield Generator

<https://github.com/stephansama/imgshieldgen>

<https://imgshieldgen.netlify.app/>

Developed an Image Shield Configurator, a user-friendly tool built with TypeScript, Tailwind CSS, Simple Icons, and Vite. This application empowers users to configure and generate custom shields for their projects using popular icons and various shield options. Allows users to preview the configured shield in a new tab before copying, ensuring accuracy and satisfaction with the chosen configuration. The application simplifies the process of creating visually appealing shields, enhancing project documentation and presentation. Its intuitive interface, coupled with TypeScript for type safety and Tailwind CSS for a responsive design, ensures a seamless user experience. The integration of Simple Icons adds versatility to the range of available symbols, making the Image Shield Configurator a valuable tool for developers seeking efficient and customizable badge solutions.

EDUCATION

Bloomfield Hills High School, Bloomfield Hills, MI — HS Diploma, 2015

CERTIFICATES

Software Engineering Immersive Remote | General Assembly (11/2021 - 03/2022)

JavaScript Data Structures & Algorithms | FreeCodeCamp (03/2022)