

Daniel Steele - Frontend Developer

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EDUCATION

Plymouth University

Bachelor of Science (Hons) in Computer Science

Plymouth, UK

Sept. 2021 – Jul. 2024

EXPERIENCE

WordPress Developer Intern

Falcon Digital

Feb. 2023 – April 2023

Newton Abbot, UK

- Developed and maintained WordPress websites for local businesses, enhancing online presence and user engagement.
- Collaborated with clients to gather requirements and provide customized website solutions.
- Implemented SEO best practices and responsive design to optimize site performance.

PROJECTS

Trello Style Kanban Board | *Technologies: TypeScript, React, LocalStorage, Vite, Git, Figma*

- Built a feature-rich Kanban Board front-end app with drag-and-drop reordering, multi-board support, and Local-storage persistence.
- Integrating React-router for dynamic routing between boards.
- Optimized performance for fast load times and mobile responsiveness, ensuring accessibility across all devices.
- Planned to launch app via Vercel once development is completed.

FocusDev (Project Management Application) | *Technologies: JavaScript, React, NodeJS, MongoDB, Git, Figma*

- Developed a productivity tool for developers, featuring notes, a calendar, quick-links, upcoming events, GitHub statistics, a reusable code snippet tool with more in the works.
- Developed authentication and user account functionality using MongoDB.

Developer Portfolio (Personal Website) | *Technologies: TypeScript, React, Vite, Git, Figma*

- Built a modern, visually engaging portfolio website showcasing my front-end development skills and projects.
- Rebuilt repository in under a month using TypeScript, React Vite for better performance and a more modular code structure.
- Attracted over 1.1k visitors monthly due to successful SEO optimization.
- Implemented smooth animations, interactive UI components, and dynamic content loading to enhance user experience.
- Hosted via Vercel with continuous updates and improvements.

SkyCompass (Full Stack Web Application) | *Technologies: JavaScript, NodeJS, MongoDB, Git, Figma*

- Built a weather tracking web application integrating OpenWeatherMap and Open-Meteo APIs.
- Displayed multi-layered weather data, including precipitation, temperature, and wind patterns.
- Enabled real-time data updates and interactive location-based weather forecasts.

Earth Sim | *C++, OpenGL, GLSL*

- Designed and implemented realistic Earth and Moon models, complete with rotational dynamics and orbital motion in a fully 3D environment.
- Used OpenGL and GLSL for rendering, with ASSIMP for model loading and GLM for movement and animation of the scene.
- Programmed custom camera controls for exploration of the simulation.

TECHNICAL SKILLS

Languages:HTML/CSS, JavaScript, TypeScript, C/C++, OpenGL, SQL, MongoDB

Frameworks & Libraries:React, Node.js, Express.js, WordPress, Material-UI, ShadCn, React-DnD, WebGL, LocalStorage, LeafletJS, Mapbox API

Developer Tools:Git, GitHub, Vite, Vercel, VS Code, Visual Studio, Figma

Other Skills:Front-End Development, Full-Stack Development, Interactive UI/UX Design, REST API Integration, Responsive Web Design, SEO Optimization, Authentication Security (Bcrypt), Deployment (Vercel)