

# Sean McGowan

Frontend Developer

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**Dev Portfolio:** [seanmcgowanxdev.com](https://seanmcgowanxdev.com) | **Github:** [github.com/seanmcgowanx](https://github.com/seanmcgowanx)

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## Skills

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React | JavaScript | Typescript | Node | NPM | Firebase | Cloud Firestore | Git | REST | GraphQL | RPC | CSS3 | HTML5 | UX/UI | Figma | W3C Accessibility | OOP | - **All professional proficiency or above**

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## Experience

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### Gloria | React Developer

San Diego, CA | 05.2024 - Current

- + Built and maintained React components, hooks, and libraries forming the core framework for our applications, ensuring consistency and scalability for long-term development
- + Led React application design, advocating for best practices in frontend architecture, component-driven development, and state management
- + Worked closely with backend engineers to integrate UI components with server-side logic, regularly participating in code reviews and version control
- + Continuously monitored and improved the performance of React components and applications by optimizing rendering, state management, and network requests for better speed and responsiveness
- + Collaborated with product team, designers, and other stakeholders to understand user needs and translate them into engaging and functional user interfaces

### Freelance | Frontend Developer

San Diego, CA | 03.2023 - 05.2024

- + Built full-stack solutions integrating real-time data with tools like Firestore, applying advanced frontend techniques such as React controlled components, React Router 6, and the Context API
- + Implemented and followed best practices for UI/UX design by translating insights into mockups, wireframes, and proof-of-concept code, ensuring cross-browser compatibility and mobile responsiveness
- + Built and maintained a comprehensive, well-documented component library that can be easily leveraged across multiple projects, thoroughly testing the components and following consistent coding standards.
- + Developed a strong understanding of server-side interactions using protocols like REST, GraphQL, and RPC

### LightManufacturing | Field Engineer, Site Manager

Kailua-Kona, HI | 07.2020 - 03.2023

- + Implemented upgrades to our solar molding software, CAN boards, electrical hardware, networks, gear boxes, molding systems, and PV systems utilizing Kollmorgen Workbench, Particle.io, and Ubiquiti Networks
- + Managed advanced R&D projects, interdisciplinary teams (ME/EE/SE), product inventory, vendors, marketing campaigns, networking tours and customer relations
- + Connected government entities, including wastewater engineers, NELHA Energy Lab, the Kailua-Kona Mayor's Office, and Hawaii County R&D to collaborate on septic regulations and recycling island waste

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## Education

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### California Polytechnic State University | Physics B.S.

San Luis Obispo, CA | 08.2014 - 12.2019

Relevant Coursework: Physics on the Computer, Linear Algebra

- + Computational modeling, simulations, matrix multiplications and numerical techniques using MATLAB

Publication: [Phase change thermal storage: Cooking with more power and versatility](#)