

# Christopher Karkut

Full Stack Developer | Typescript | Node | React | GCP

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Robertsville, MO

[Portfolio](#)

[Github](#)

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## Work Experience

### Full Stack Developer at Kutsolutions 10/2023 - current

- **Reusable Component Design:** Developed modular, reusable React components to simplify front-end code maintenance and accelerate feature development, ensuring scalable and maintainable solutions.
- **React & Tailwind CSS:** Built responsive, high-performance Progressive Web Apps (PWAs) with React, leveraging Tailwind CSS for rapid UI design and ensuring a seamless user experience across all devices.
- **Functional Components:** Built lightweight, functional components in React using hooks like useState and useEffect for state and lifecycle management, promoting cleaner and more reusable code.
- **UI/UX Design and Development:** Designed and developed intuitive, user-friendly interfaces focused on usability, visual appeal, and smooth navigation, enhancing the overall user experience.
- **Factory Pattern:** Utilized the Factory pattern to encapsulate object creation and reduce dependencies.
- **Performance Optimization:** Improved application performance by leveraging React Context and Zustand for efficient state management, minimizing database calls, and reducing page load times.
- **Backend Solutions:** Designed and deployed scalable backend services using Google Cloud Platform (GCP) serverless solutions.
- **API Design & Security:** Developed RESTful APIs with full CRUD functionality, implementing robust security measures including middleware and OAuth to protect sensitive data and ensure secure access.
- **Server-Side Rendering:** Enhanced SEO and performance by optimizing server-side rendering (SSR) with Astro, delivering faster page loads and better search engine visibility.
- **CI/CD Pipeline:** Streamlined development and deployment processes with automated CI/CD pipelines.

### Junior Developer at The Flood Team 02/2022 – 10/2023

- **StencilJs Component Library:** Built and maintained a standalone StencilJS component library, optimizing performance with lazy loading, efficient rendering, and Shadow DOM encapsulation to ensure consistent updates and streamlined integration across projects.
- **Class Components:** Developed class-based components in StencilJS, utilizing decorators like @Component, @State, and @Prop to manage state, properties, and lifecycle methods for efficient, encapsulated component functionality.
- **Dynamic & Interactive Components:** Created interactive components with dynamic states and animations, enhancing user engagement and interactivity.
- **HTML, CSS, Typescript:** Implemented and maintained user-facing features, delivering intuitive and efficient web applications.
- **UI Migration:** Transitioned legacy UI components to StencilJS for consistency and maintainability.
- **Figma Collaboration:** Worked closely with UI/UX designers to build responsive, cross-browser mobile-first design systems.
- **Integration Testing:** Integrated StencilJS components using tools like Storybook for component-driven development and testing.
- **GraphQL:** Utilized GraphQL to efficiently manage and fetch data for front-end components.
- **Debugging / Troubleshooting:** Diagnosed and resolved critical software issues to improve user satisfaction.
- **Version Control:** Employed Git and GitHub for efficient collaboration with the team.
- **Agile Framework:** Sprint planning, daily stand-ups, and retrospectives using Scrum for iterative development.
- **Singleton Pattern:** Implemented the Singleton pattern to ensure a class has only one instance while providing a global access point, improving memory efficiency and system performance.
- **Observer Pattern:** Applied the Observer pattern to allow decoupled communication between objects, where changes in one object automatically notify and update dependent objects.

## SKILLS

HTML, HTML5, CSS, CSS3, Sass, Javascript, Typescript, Firebase, JSX, Tailwind, Express, React, React-Native, StencilJs, Astro, NextJs, Node, GitHub, Mongo, Jest, SQL, NoSQL, Bootstrap, JQuery, Stripe, Figma, RESTful APIs, Redux, Webpack

### Education and Certifications

#### TexasMcCombs Great Learning

Professional Certificate in Full Stack Software Development  
(MERN stack)

#### FreeCodeCamp

Responsive Web Design Certification

Javascript Algorithms and Data Structures certification

### My Projects

[Consent Companion Website](#)

(React, Tailwind, Node, GCP)

[Consent Companion Web App](#)

(Astro, Tailwind, GCP)

[E-commerce App](#)

(React, Typescript, Node, Tailwind, GCP)