

Christopher Karkut

Full Stack Developer | Typescript | Node | React | GCP

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[Portfolio](#)

[Github](#)

[Linkedin](#)

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)

[Frequency Finder Game](#)

(Phaser, Typescript, GCP)