Tanner H. Lyon Software Engineer

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TECHNOLOGIES

Experienced: JavaScript (ES6+), React (Classes, Hooks, Router), TypeScript, Node.js, Express.js, Redux, GraphQL, Solid.js, D3.js, SQL databases (PostgreSQL), NoSQL databases (Firebase, MongoDB), HTML5, CSS3, SASS/LESS, jQuery, Git, webpack, Vite, Containerization, TDD (Jest, Mocha), Deno, Docker, Machine Learning, Python, Kubernetes, Vue, AWS/Cloudtech, OAuth

EXPERIENCE

Codesmith | Software Engineer   2022
- Optimized legacy codebase by replacing deprecated SQL utilities with updated PostgreSQL queries, as well as improving middleware unit testing, to increase performance and enhance platform reliability.
- Performed regular in-depth code reviews for junior engineers as well as provided instructions while conducting one on one mentoring sessions to promote software engineering best practices in full stack React and Node.js tech stacks.
- Led technical interviews evaluating potential junior engineers on their technical abilities (Object Oriented Programming, Recursion, Closure), technical communication, best practices and analytical problem solving abilities.
- Delivered technical training for engineers on advanced algorithm challenges, TypeScript, Data Structures, Asynchronous Javascript, Recursion in Nested Structures, React-Redux, and TDD.
- Mentored teams of engineers in the open source community through Software Development Life Cycle (SDLC) to consistently maintain agile workflow, dynamic team communication and successful product launches while meeting established deadlines.

Solid Structure |Open Source Front-End Developer Tool | Software Engineer   2022
- Utilized SolidJS frontend library for its fine-grained reactivity built on primitives using hooks, signals and bindings to produce singly executed component loading while facilitating unidirectional data flow and immutable interfaces rendered on the DOM.
- Accomplished display and deployment of collapsible hierarchy tree and dependency graph, utilizing D3.JS for the data visualization library's great control and ability to manipulate SVG, HTML, and CSS files
- Executed product using Chrome Extension DevTools Panel to access data from a browser-rendered SolidJS application, allowing developers to utilize a tool that reads and implements a visualization of data stores, SolidJS signals, and component functionality.
- Implemented TypeScript for its strict error handling and static typing, allowing for efficient development in large scale products due to its structured syntax and immediate debugging as a result of finding errors before runtime.
- Product developed under tech accelerator OS Labs (opensourcelabs.io).

Personal Products

Lyon Shops | Ecommerce Platform
- Utilized React functional hooks and context to create a component-based architecture allowing for substantial modularity and reactivity for both a maintainable and scalable codebase.
- Designed and deployed non-relational Firebase Database for the immense flexibility of the dynamic schematic architecture creating a structured data storage, horizontal scalability through sharding and ad-hoc queries allowing for future querying.
- Implemented Firebase Software Development Kit for its streamlined approach to deploy user authorization and Google Oauth while utilizing Firebase's native methods, asynchronous API calls, detailed analytics and demographic information of users.
- Deployed GraphQL as API query language for its notable capacity to handle complex systems and micro services, strongly typed design and hierarchical structure while quickly fetching extensive data sets and avoiding over/under fetching problems.
- Employed Apollo Client for the state management libraries universal compatibility, declarative data fetching and both economical and predictable structural code, while facilitating management for GraphQL.

Gimme | Reactive Chrome Extension Displaying PGA Tour Scoreboard
- Implemented React Hooks functionality to deliver reusable and reactive components for ease of maintaining a DRY codebase while utilizing React's component modularity.
- Created authentication cookies, using Node.js dedicated to preserving user data, settings, and preferences focused on allowing for more customization for user interactions while protecting data and product integrity.
- Employed the fast processing Node.js for the runtime environment's robust technology stack, utilized for its great benefits of efficiency, productivity, event-based model, and asynchronous request handling to facilitate communication between the frontend, backend, and NoSQL database.

TALKS // PUBLICATIONS   2022
- Containers **-** Single Sprout Tech Talk
- Solid Structure - A SolidJS Developer Tool (Medium, Dev.to)
- Intro to Javascript Series: Variables and Looping
- Intro to Javascript Series: Functions and Objects

EDUCATION - Bachelor of Arts | CSU, Chico State, 2011 – 2015

INTERESTS

Fly-Fishing, camping and overlanding, Film Photography (street and nature), Film Development and Printing, Golf, Wakeboarding, Mountain Biking, Reading science fiction (Hyperion, Dune) and Kurt Vonnegut (Slaughter-House Five, Sirens Of Titan), Narrative writing