Wilson Sie

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Github   in LinkedIn

SKILLS

Languages - Python, Typescript, Javascript,
Frameworks & Technologies - React, NodeJS, GraphQL, REST APIs, Prisma, PostgresQL, Rollup, Webpack, Git, Docker, Github Actions,

EXPERIENCE

Trustana | Software Engineer   June 2022 - Present
Associate Software Engineer

- Played a key role in establishing the company's component library using Storybook that was published as a package via AWS Codeartifact. Built, maintained and migrated existing components from the codebase to the component library to be used across different projects to ensure UI consistency and improve developer efficiency.
- Implemented client-side caching using Apollo's cache to reduce the number of API calls made to the backend, improving product search times and user experience.
- Was responsible for setting up and building multiple key services for Sass platforms on the frontend, mainly the Product Management, Internal Admin and Product Catalog portals.
- Wrote automation pipelines to improve developer experience and increase work efficiency. This reduced the number of bugs by automating manual processes and was also used as a measure to scale to the increasing size of the codebase.
- Wrote numerous AWS Lambda functions that was orchestrated by a Step function to automate the process of generating product data for customers/vendors. Also improved step function flow to leverage on parallelism to reduce the time taken to generate product data.

National Kidney Foundation | Web Developer   Aug 2021 - June-2022
Freelancer

- Worked closely with other designers to design and develop reusable email templates to be used for marketing campaigns.
- Worked on email template formatting with frontend tools such as HTML and CSS and Javascript.

EDUCATION AND CERTIFICATIONS

- University of London
  - B.S. (Hons) Computing and Information Systems
- Certis Cisco
  - Cisco Certified Network Associate (CCNA)

PROJECTS

- Code Editor
  - GitHub
  - Built in a monorepo, this application serves as a browser code sandbox that is able to compile and execute user input code and judge the output performance. It is used as a tool for me to test algorithms while development.
    `Typescript` `TailwindCSS` `NodeJS` `Prisma` `PostgresQL` `Docker` `Github Actions`
- Design System
  - GitHub ⚯ Live link
  - A design system package that provides a set of UI components for me to reuse across different projects. It is built with React and tested with Storybook. Rollup is used to bundle the package and published to NPM via Github Actions.
    `Typescript` `TailwindCSS` `Storybook` `Rollup` `Github Actions`
- Blockchain Signature pad
  - GitHub
  - Utilising the Truffle framework and web3JS, this app provides an interface for users to sign their signature and store it in a local Ethereum blockchain.
    `Truffle` `Solidity` `Javascript` `React`
- Visual Algo
  - GitHub ⚯ Live link
  - An interactive learning tool that visualizes algorithms used in software engineering.
    `Reactjs` `Javascript` `CSS3`