Wilson Sie

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Github   LinkedIn

SKILLS

Languages – Typescript, Python, SQL
Frameworks & Technologies –
React, FastAPI, ExpressJS, NodeJS, GraphQL, REST APIs, PostgresQL, Git, Docker, Nginx, CICD (Github Actions)

EXPERIENCE

Mastplot   January 2024 - Present
Fullstack Software Developer
Contract

Implemented development workflows utilising docker compose to ensure developers had a consistent development environment improving developer efficiency.

Architected CI pipelines to easily deploy code to on-premise servers utilising bash scripting and Github Actions.

Developed a complex, interactive frontend application using DeckGL, Maplibre, and Tileserver-gl.

Demonstrated full-stack capabilities by building RESTful APIs and collaborating with backend developers on data migrations.

Mentored junior developers, fostering knowledge sharing and best practices through code reviews.

Trustana   May 2022 - January 2024
Associate Software Engineer
Full-time

Played a key role in establishing the company's component library using Storybook that was published as a package via AWS Codeartifact.

Built and maintained reusable components for the component library to be used across different projects to ensure UI consistency and improve developer efficiency.

Collaborated with cross-functional teams, including designers and product managers, to develop feature-rich dashboards supporting data visualization, data filtering, and data exporting, serving vendors and customers.

Orchestrated the setup of multiple projects and pipelines, enhancing the development and deployment experience for fellow developers, utilizing Gitlab CICD and bash scripting.

Implemented optimization strategies, including caching and debouncing, resulting in reduced server load, improved product search times, and cost savings.

Engineered AWS Lambda functions and APIs orchestrated by a Step function, leveraging parallelism to significantly reduce product data generation time.

EDUCATION AND CERTIFICATIONS

University of London
B.S (Hons) Computing and Information Systems

Certis Cisco
Cisco Certified Network Associate (CCNA)

PROJECTS

Code Editor

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.

Tyepscript | TailwindCSS | NodeJS | Docker | Github Actions

Design System

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

Visual Algo

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.

React | Javascript | CSS

Homelab

To deepen my understanding of distributed systems and cloud infrastructure, I built a 4-node cluster from recycled hardware. This project challenged me to overcome resource constraints and leverage containerization technologies like Docker and Kubernetes to deploy and manage my personal projects. Through this experience, I gained hands-on knowledge of implementing my own reverse proxy with Nginx, and a better understanding of networking, virtual machines/containers and node clustering.

Nginx | Docker | Github Actions | Proxmox Virtual Machines | Ansible | Kubernetes (K3s) | Shell