



Software Engineer

SKILLS AND TECHNOLOGIES

Languages: JavaScript (ES6+), HTML, CSS, SQL, Shell Script
Libraries and Frameworks: React, Redux, Highcharts, Node.js, Svelte, Chart.js, Jest
Tools: Git, Webpack, Docker, AWS, Postman

EXPERIENCE

WiseLayer

Software Engineer

May 2022 – Present

Employed **React**'s component-based library with localized state and lifecycle managing hooks and context to deliver a progressive user experience for an analytics platform offering smart notifications and dashboards built over live data processed from common-use ERP systems.

Harnessed **Redux** Toolkit's opinionated, scalable framework to efficiently manage complex, global state through numerous views central to the user flow of WiseLayer's customer interfaces.

Capitalized on **Material-UI**'s comprehensive component library to develop and manage a consistent brand experience over a responsive, modular frontend.

Empowered real-time, data-driven insights through **Highchart**'s robust charting library, effectively transforming preprocessed data into visually engaging and actionable business intelligence.

Refined **Keycloak**'s authentication templates to facilitate a harmonious user path, optimizing login, registration, and password management flows for standardized access across the application.

Seamlessly integrated third-party SDKs (**Paragon**, **Mixpanel**), leveraging external capabilities with internal business logic to provide one-click ELT functionality, enhancing data accessibility and simplifying analytics for end users.

Facilitated collaborative, team-centric platform updates through **Git** version control and **Bitbucket** Pipelines, fostering a resilient **CI/CD** environment by engendering both code consistency and risk mitigation during product deployment.

Collaboratively designed and refined **API contracts** in tandem with the backend team to ensure streamlined feature integration, data consistency, and optimized performance between frontend and backend systems.

OPEN SOURCE

Mist

Software Engineer

2022

Leveraged **Svelte**'s compiling, state-managing architecture to construct a reactive, lightweight SPA for an application performance monitoring tool designed to provide tangible analytics for unpublished, locally hosted CloudFlare workers (a.k.a, serverless functions).

Integrated **Chart.js** to produce dynamically generated visual metrics displaying client-initiated serverless function request times, durations, status codes, and performance averages over multiple recording sessions.

Implemented a **Node.js** server utilizing **Express.js** to efficiently monitor performance recording sessions and ferry the OpenTelemetry-gathered tracing data on worker requests to a SQL database to be queried for display.

Architected **Miniflare** logic to generate a locally hosted, simulated cloud environment for the mounting, testing, and measuring of pre-deployment CloudFlare worker performance.

Wrote SQL (**PostgreSQL**) script to construct relational database schema containing records of worker recording session data and metrics with strict retrieval rules ensuring ACID compliance.

EDUCATION

Codesmith
Advanced Software Residency Program
United States Army Armor School
Armor Crewman - 19K

ARTICLES/TALKS

What is Mist?
Medium.com
The what, why, and how of Mist
SASS: Spicy CSS
Linkedin.com
Structure, style, and implementation

INTERESTS

Weightlifting - I don't skip leg day
Aku - That's my dog's name
Games - Warhammer
Miniatures - Building and painting
Coffee - Cold, please