ERIC LEMAY

Software Engineer

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SKILLS AND TECHNOLOGIES

Languages: JavaScript (ES6+), HTML, CSS/SASS, SQL, Bash
Libraries and Frameworks: React, Redux, Node.js, Express.js, Svelte, Chart.js, Mongoose, PostgreSQL, Jest
Tools: Git, Babel, Webpack, JWT, Docker, AWS, CI/CD

EXPERIENCE

Mist

Software Engineer **2022 – Present**

Leveraged **Svelte**'s compiling, state-managing architecture to construct a modular, component-based SPA performance monitoring tool for unpublished, locally hosted CloudFlare workers (a.k.a, serverless functions).

Integrated **Chart.js**' robust, customizable charting library to produce dynamically generated visual metrics displaying RESTful, client-initiated serverless function request times, durations, status codes, and performance averages across 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.

Utilized **Rollup** to achieve a streamlined development workflow via hot module reloading and customized plugin settings complete with minification and uglification of the application via **Terser** for a production-ready, backward-compatible deployment package.

Followed **scrum** methodology to continuously design and deploy product features in tandem with team lead defined sprints to meet **CI/CD** timeline goals throughout the development process.

OPEN SOURCE

MTG Inventory

Software Engineer **2022**

Employed **React**'s component-based library with state and lifecycle managing hooks to aggregate the user-generated inventory of a NoSQL database on a retro-styled SPA.

Assembled a **Node.js/Express.js** server to implement CRUD functionality across a user-defined collection of Magic: The Gathering cards modeled with a **Mongoose** schema to allow for the posting, deletion, and updating of contents within the client's stored archive.

Askalotl

Software Engineer **2022**

Enlisted **React** architecture to dynamically render modular, reusable functional components containing quote data pulled from a SQL database in an intuitive, scalable SPA.

Harnessed a SQL (**PostgreSQL**) database to supply the user with queried data filtered through a custom caching algorithm to prevent displaying duplicate responses.

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 - Deadlifts, please
SciFi - Need more cyberpunk
Games - Magic: The Gathering
Miniatures - Building and painting
Coffee - Cold Brew || Cortado