Miller Johnston

Software Engineer

Fullstack engineer with experience building scalable, microservice-driven applications using C#, Typescript, SQL, MongoDB, and AWS (Redis, SQS, Lambda, DynamoDB). Excited to be on cross-functional teams and working directly with product managers and clients to deliver best-in-class user experiences, rethink existing systems to better serve organizational needs, and generate features that expand existing revenue streams, or make new ones.

Contact

Phone

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Email

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Socials

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www.github.com/MillerJ20

Skills

JavaScript ES6+, Git, HTML/CSS, Svelte, React (+Hooks and Router), Redux(+Hooks, Thunk, and Toolkit), SQL, NoSQL, Node.js, Express, Webpack, AWS Lambda, DynamoDB, AWS SQS, Redis, Electron, CodeMirror, Docker, REST APIs, TypeScript, Jest, PostgreSQL, Systems Design, JWT, Object Oriented Programming, GitHub, MaterialUI, Next.js, TailwindCSS, MongoDB, C#, Kafka, .NET framework

Interests

Video Game Development (Unity), Specialty Coffee (currently loving americanos), Sample-Based Hip Hop, Building and Upgrading Computers, Home Cooking, Walkable City Planning and Design, Being a plant and dog dad, Independent Video Games

Public Talks

Design Patterns in Javascript

Single Sprout Speaker Series

Intro to Javascript: Functions and Objects

Codesmith Javascript Workshops

Experience

Lytx | *Software Engineer II*
January 2023 - Present

- Developed a new revenue-generating feature utilizing a C# ingestion service, enabling data consumption from a Kafka stream, sourced from individual vehicle devices.
- Employed the ingestion service to enrich Kafka messages with driver, vehicle and GPS Data and sending them to an auto-scaling SQS queue, which triggered an AWS Lambda function, facilitating direct data delivery to customer APIs, streamlining data access removing customer reliance on Lytx APIs.
- Collaborated closely with product and engineering architecture teams to design and plan new features, address production issues, and present accomplishments to stakeholders.
- Conducted performance tests on an Angular UI, identifying areas for technical debt resolution and enhancing overall user experience on the frontend.
- Orchestrated successful migration from on-premises SQL database and Redis to a high-performing cloud solution which significantly improved system performance while reducing costs by eliminating the need for SQL server management.
- Demonstrated exceptional teamwork, communication, and problem-solving skills in cross-functional collaboration with various stakeholders and different engineering teams.
- Consistently met project deadlines and delivered high-quality, scalable solutions to enhance overall product functionality and customer satisfaction.

Codesmith | *Software Engineer*
March 2022 - June 2022

- Facilitated code review with junior engineers to ensure adherence to best practices, led team whiteboarding and code walk-through sessions, and gave project execution advice to foster technical and professional development.
- Delivered one-on-one mentoring on full-stack development principles, including DOM manipulation, state management, authorization with JWT and bcrypt, client-server architecture, REST API work, and SDLC patterns including MVC, Flux, and TDD.
- Assisted junior engineers with migrating to Typescript according to industry trends as a means of catching type related errors during compile time as well as providing type safety to make code refactoring and maintenance more efficient and safe in a team environment.
- Proctored technical interviews to assess a prospective engineer's JavaScript proficiency, technical communication, problem solving, debugging abilities, engineering empathy, and cultural fit ensuring that candidates have the necessary skills to be an effective engineer.

SvelteStorm | svelte-storm.com | *Software Engineer*
December 2021 - March 2022

- Used Electron to build a Svelte IDE desktop application that provides Svelte developers with all the tools essential to frontend development including a reactive component tree, using XTerm to develop a fully-functioning terminal environment, leveraging CodeMirror to craft a code editor with bracket-pair matching and syntax highlighting, and a browser window to display project's client views within SvelteStorm.
- Optimized application by updating dev dependencies to recoup technical debt which lead to dramatically increased load times for the user; both in starting the application initially as well as uploading and opening user-provided files once the application was open.
- Incorporated a content security policy (CSP) in Electron as a means to increase the overall security of the application.
- Developed search & display functionality for Svelte components using an Abstract Syntax Tree and D3, to streamline management of dependencies and application state.