

Wesley Lowe

wesley.lowe@yahoo.com

Full-stack Software Engineer

(913) 203-7570

10868 South Redbud Lane
Olathe KS, 66061

Profile

Enthusiastic developer eager to learn and grow. Strong communication, collaboration, and listening skills, always looking to improve my knowledge with the latest technologies.

[LinkedIn](#)

[GitHub](#)

[Portfolio](#)

Technical Skills

Languages	TypeScript/JavaScript, C++, Rust
Frameworks/Libraries	React, React Native, ExpressJS, tRPC, NextJS, NestJS, Prisma, KnexJS, TypeORM, Electron, Jest, Zod, Chakra, Mantine, TailwindCSS
Database Systems	PostgreSQL, MySQL, MongoDB, Redis
Tools/Services	Git, GitHub, Turborepo, PNPM, Docker, Nginx, AWS RDS, AWS S3, AWS SES, AWS Cloudfront, Vercel, Vite, Webpack, Insomnia

Experience

Cybership - Founding Engineer

OCTOBER 2023 - MARCH 2024

TypeScript, Node, NextJS, tRPC, ExpressJS, React, React Query, Prisma, Stripe, TailwindCSS, RadixUI, PlanetScale, AWS RDS, Bull Queue

- Utilized Turborepo to manage multiple apps and packages as a monorepo.
- Developed synchronization services using a distributed queue with Bull supporting multiple ecommerce platforms, allowing users to view and control their ecommerce products and orders across multiple platforms, all in a single view.
- Built a webhook processing system to support real-time event-driven synchronization across multiple e-commerce platforms (e.g., Shopify, Webflow).
- Led the effort in migrating from PlanetScale MySQL to PostgreSQL on AWS RDS.
- Implemented a team system, allowing users to create teams and manage others users as part of a team.

- Implemented a custom and secure authentication service compliant with OWASP specifications.
 - Utilized MJML and React to create email templates to generate responsive emails for several application lifecycle events of the application (e.g., Password reset).
 - Developed efficient PDF templates using ReactPDF for shipping documents included in consumer shipments.
 - Implemented a server using ExpressJS and tRPC, allowing type safety across multiple clients.
 - Designed and implemented a unified ecommerce data schema, allowing a single representation of products and orders across multiple third party ecommerce platforms.
 - Assisted in implementing a robust fulfillment solution, allowing flexible fulfillment across multiple locations.
 - Led the effort to create an inventory management system allowing inventory metrics and synchronization of inventory levels between ecommerce platforms to prevent overselling.
-

Projects

ScrapeGoat - Personal Project

TypeScript, NestJS, Serverless, AWS Lambda, React, Electron

- Engineered a modular flow-based programming engine allowing users to create a visual workflow to orchestrate a headless browser for web scraping.
- Implemented common flow-based programming paradigms such as ports, control flow, and several core “nodes” allowing data transformation, such as HTML or JSON parsing.
- Designed a visual builder using ChakraUI, NextJS, and React Flow, allowing users to drag and drop and configure nodes on the canvas.
- Implemented a distributed and scalable workflow processing pipeline using AWS Lambda.
- Built a desktop app using Electron and React for users to be able to design and execute workflows locally.
- Implemented a sandboxed JavaScript environment to allow users to manually fallback to manual scripting when necessary.
- Developed a scalable and well-documented backend server using NestJS and OpenAPI documentation.

Sigma - Personal Project

TypeScript, React, Electron, ChakraUI

- Designed an easy-to-use free music player with React and Electron React Boilerplate.
- Implemented common music player features such as playlists, shuffle, looping, seeking, audio controls, and a search function using a fuzzy search algorithm.
- Utilized an invisible embedded YouTube instance to play audio without ads.
- Created several composable React hooks to abstract business logic from the UI layer.