

Steve Price *Software Engineer*

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🌐 Steve Price

🐙 stevePriceDev

Full Stack Software Engineer with 4+ years of experience with JavaScript/TypeScript, Ruby, Python, Docker, AWS, and more. I am an Open Source Software contributor for Mozilla FireFox, and a Creator of Mayfly [🔗](#) - an open source tool which spawns dedicated backends for each user session to enable developers to host a high-compute application in the browser. In my off-time, I enjoy going on hikes with our dog, golfing, or staying indoors with some strategy video games. Read my [recent blog](#) [🔗](#) about contributing to open source!

Professional Experience

Open Source Software Contributor, Mozilla Firefox 2024 – present

- Enhanced code efficiency and performance by replacing outdated methods with newer libraries and functions, leading to faster and more maintainable code
- Moved large objects and their dependencies to their own files and added tests to ensure functionalities, increasing code maintainability and modularity
- Mentored and on-boarded new contributors, providing guidance and support to facilitate their integration into the project and foster their growth within the open-source community
- Granted commit access to Mozilla repositories - requires being a known and trusted Firefox contributor

Creator, Software Engineer, Mayfly [🔗](#) 2023 – 2024

- Developed a multi-tier architecture that utilizes **Docker-Compose** to create an AWS EC2 for hosting and integrating Mayfly with **Plane**, an open source tool that coordinates and spawns the session backends
- Improved system communication reliability and efficiency by orchestrating interactions between the Controller and Drone(s) through a **NATS** server, ensuring optimal message delivery
- Accelerated application access time by 65% through automating the deployment of containerized user sessions using **Packer** and **AWS AMI**
- Designed and implemented a **PostgreSQL** schema for managing user sessions, balancing performance, scalability, and data integrity considerations
- Architected a robust **RESTful API** using **Node.js** and **Express**, facilitating seamless communication between the **NATS** server, the database tier, and third-party software
- Designed an intuitive UI with **React** and **Tailwind CSS**, enhancing usability and engagement
- Authored a comprehensive case study ([mayfly.dev](#) [🔗](#)) providing an in-depth analysis of Mayfly's problem domain, use case, engineering decisions, and trade-offs

Project Analyst, URC West, Inc 2016 – 2022

- Developed automated bidding tools and data analysis spreadsheets, streamlining bid preparation from a multi-week process down to just 2-3 days, increasing efficiency by over 75%
- Collaborated closely with cross-functional teams and clients to plan, track, and manage project timelines, ensuring all deliverables were completed on budget and within agreed-upon time frames

Skills

Back End

Node.js, Express, Ruby/Rails, Go,
Python/Django/Flask, PostgreSQL, MongoDB

Front End

JavaScript, TypeScript, React/Redux, Handlebars,
HTML/CSS, Tailwind CSS

Cloud

Digital Ocean, AWS (EC2, ECS, IAM, Route53, S3),
Heroku

Other

Git/GitHub, Docker, Linux, Bash, HTTP, Rest APIs,
WebSockets, Jest, OOP, Nginx, Postman, Mercurial