

# Tess Lockey Software Engineer

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## PROFILE

I'm a full-stack software engineer with extensive experience in the JavaScript ecosystem, and proficiency in Ruby, HTML/CSS, and Go. I have a background in design – so I enjoy solving problems, whether visual or code-based!

## EXPERIENCE

**Creator, Software Engineer at Campfire** [📄](#) 2024 – present

**Campfire** [📄](#) is a self-hosted, CI/CD development framework that deploys dedicated preview environments with integrated collaboration tools on AWS.

- Designed overall architecture of Campfire composed of AWS ECS Clusters, Application Load Balancer, Lambdas, S3, Secret Manager, GitHub Actions and GitHub App.
- Architected a routing system using AWS Application Load Balancer to enable reliable access to preview apps hosted on ECS Clusters.
- Contributed to Campfire's CLI, which automates the deployment and teardown of AWS cloud infrastructure, reducing a 40-step workflow to one command.
- Developed a GitHub App that manages synchronization of comments between the feedback interface and the pull-request.
- Implemented a Campfire SDK to enable session-replay functionality through inter-iframe communication otherwise blocked by security protocols.
- Architected and implemented RESTful API facilitating serverless backend communication (AWS API Gateway, Lambda, Secrets Manager).
- Implemented a user-friendly UI for integrated commenting and session-replay using React and Material UI.
- Authored a comprehensive **case study** [📄](#) providing an in-depth analysis of Campfire's problem domain, system design, and engineering decisions. [campfire-previews.github.io](https://campfire-previews.github.io) [📄](#)

**Software Engineer on Open Source Projects** 2021 – 2024

Developed numerous personal and open-source web applications.

- **Rainbucket** - A web development tool to inspect and debug webhook integrations at real-time (React, Express, Node.js, MongoDB, PostgreSQL, WebSockets, Nginx, Digital Ocean)
- **Musical Boxes** - An interactive musical experience using the Tones.js framework that captures and replays your notes (HTML, CSS, JS, jQuery)
- **Ultimate Team Tracker** - An application to track Ultimate Frisbee teams, players, and scores (Ruby, Sinatra, Postgres, Puma, ERB)

**Designer & Illustrator | Self-Employed** 2020 – 2022

Designed and illustrated assets for start-ups, non-profits, animation studios.

- **Common Energy** designed and art-directed video and graphic ads and informational assets.
- **Bearded Fellows** illustrated 48 stills under an art director for use in an animation.

## SKILLS

### Back End

Node.js, Express, GoLang, PostgreSQL, MongoDB, REST APIs, Ruby, Minitest, Sinatra

### Front End

JavaScript (ES6+), TypeScript, React, jQuery, Handlebars, HTML/CSS, Material UI, Cypress

### Cloud

AWS (ECS, ELB, Lambda, CloudFormation, S3, IAM), Digital Ocean, Heroku, Fly.io

### Other

Git/GitHub, Docker, Linux, Bash, WebSockets, HTTP, Jest, Nginx, Postman

## EDUCATION

**Launch School** 2021 – 2024

Multi-year, mastery-based software engineering curriculum. Read more at [launchschool.com/employers](https://launchschool.com/employers) [📄](#)

**AAS Software-Web Development (Honors)**, College of Southern Nevada 2021 – 2023 | Las Vegas, NV

**Bachelor of Fine Arts in Illustration (Honors)**, Ringling College of Art and Design 2015 – 2019 | Sarasota, FL