

# Rachele Lang

## Software Engineer

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### 👤 PROFILE

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I'm a full-stack software engineer proficient in Ruby, JavaScript, TypeScript, and Golang based in Denver, Colorado. I recently created Campfire, an open-source, self-hosted CI/CD development tool for automating deploy previews. I'm excited to apply my passion for problem-solving to finding the meaning of life, the universe, and everything.

### 📁 EXPERIENCE

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**Creator & Software Engineer, Campfire** [🔗](#) 2024 – present

Campfire is an open-source, self-hosted deploy preview automation tool and UI for collaborative communication through its syncing of comments with GitHub. It was built with React, JavaScript, TypeScript, and AWS.

- Architected a stack template (CloudFormation) to provision Campfire's AWS infrastructure (VPC, Application Load Balancer, Lambda, S3, IAM roles) through the CLI reducing over 40 steps to one command.
- Automated containerized app deployment and teardown on AWS (ECR, ECS) using GitHub Actions.
- Developed a custom SDK to implement session replay functionality for inter-iframe communication between Campfire UI and the client's deploy preview.
- Designed a RESTful API facilitating serverless backend communication with Campfire UI (AWS API Gateway, Lambda, S3, Secrets Manager).
- Configured manifest for GitHub App installation to make requests to GitHub's API on behalf of any user.
- Built a minimalist user-friendly UI using React and Material UI.
- Authored technical case study of Campfire's problem domain, architecture, and engineering choices.

**Teaching Assistant, Launch School** 2022 – 2023

- Conducted over 80 live-coding interview assessments and gave detailed feedback on student's performance.
- Graded over 100 written assessments on the programming fundamentals of Ruby and JavaScript.
- Provided thorough code reviews of student projects identifying bugs, correcting syntax, and evaluating code structure.
- Led weekly study groups on basic Ruby programming concepts to prepare students for technical assessments.

**Client Services Representative, Excelchem Laboratories, Inc.** 2018 – 2020

Reviewed work orders and communicated daily with laboratory staff, managers, and clients at an environmental and microbiological testing laboratory with a primary focus on soil and water analysis.

### 🧠 SKILLS

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#### Back-end

Node.js, Express, Ruby, Sinatra, Golang, PostgreSQL, MongoDB

#### Front-end

TypeScript, JavaScript, React, Handlebars, jQuery, Material UI, HTML, CSS

#### Cloud

AWS (ALB, CloudFormation, ECR, ECS, IAM, Lambda, S3), Digital Ocean Droplets, Heroku

#### Other

Git/GitHub, Linux, Nginx, Docker, Bash, Jest, Minitest, Object-oriented programming, WebSockets, REST APIs, Postman

### 🎓 EDUCATION

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**Launch School** [🔗](#) 2021 – 2023

Multi-year mastery-based curriculum for software engineering.

**University of California Santa Cruz, B.S. Biology, General** 2014 – 2018