

# Drew Holbrook

✉ drewparkerholbrook@gmail.com    📍 CO, United States    🖱 dpholbrook.github.io

## Summary

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I'm a software engineer based in Crested Butte, Colorado. I'm a co-creator of Ekko, an open-source realtime service with in-transit message processing. I have multiple years of experience with the Ruby and Javascript ecosystems and am comfortable with AWS and Docker.

## Professional Experience

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2021 – present

### Co-Creator, Software Engineer

*Ekko* [🔗](#)

Ekko is an open-source framework that allows developers to easily deploy a realtime infrastructure for web applications. Custom serverless functions provide a flexible, modular way to process messages as they pass through the realtime system.

- Built the WebSocket server using Node.js, Socket.IO, and Redis
- Designed the AWS cloud infrastructure to support tens of thousands of WebSocket connections (Application Load Balancer, ECS Fargate, S3, ElastiCache, Lambda)
- Containerized the server code for deployment (Docker, Elastic Container Registry)
- Automated the infrastructure deployment using AWS Cloud Development Kit
- Built an easy-to-use CLI tool for AWS credential configuration, infrastructure deployment, teardown, and Lambda management (oclif, JavaScript, AWS SDK)
- Load tested the real-time service using artillery.io on 4 EC2s to simulate 50,000 concurrent connections publishing 300,000 messages per minute
- Collaborated daily with a team of fully remote engineers
- Co-authored Ekko's case study: [ekko-realtime.com](#) [🔗](#)

2018 – 2021

### Full-Stack Web Developer

*Self Employed*

- RequestBin: An app for viewing WebHooks (Node.js, Express, and PostgreSQL)
- Ello: A Trello-like collaboration app (React/Redux, Node.js, Express, MongoDB)
- Todo List: A todo tracker (Node.js, Express, JavaScript, Handlebars, HTML and CSS)
- Book Viewer: An eBook Reader (Sinatra, ERB, HTML, CSS)

2015 – 2018

### Director of Marketing and Development

*Crested Butte Nordic*

- Revamped marketing plan which helped increase revenue by 26.7% over three years

2014 – 2015

### Director of Events

*Crested Butte Nordic*

- Managed over 100 volunteers and organized events for more than 1000 participants

## Skills

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### Back-End

Node.js/Express,  
Ruby/Sinatra,  
PostgreSQL, MongoDB,  
REST APIs, Go

### Front-End

JavaScript,  
React/Redux,  
Handlebars, ERB,  
HTML/CSS, JQuery

### Tooling

Git/GitHub,  
Docker,  
Linux

### Cloud

AWS (ALB, EC2, ECR, ECS,  
Fargate, IAM, Lambda,  
S3, SDK),  
Digital Ocean, Heroku

## Education

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2004 – 2008

### B.A. Economics

University of Vermont