# Reilly Knutson

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## Experience

**Co-Creator, Software Engineer,** *Bastion* 🔗                     2022 – present

- Designed, prototyped, and implemented Bastion: an open-source Backend-as-a-Service deployed to AWS. Bastion allows a frontend developer to effortlessly set up a backend while maintaining control of their code and infrastructure
- Orchestrated the deployment, organization, and scaling processes of containerized backend/admin application clusters using AWS elastic container service (ECS)
- Built the Bastion command-line interface tool for automated deployment and teardown of AWS infrastructure with Cloudformation scripts
- Automated creation and execution of AWS Lambda functions for adding custom business logic and extensibility to a user's backend
- Created the Bastion SDK for frontend developers to interact with deployed backend servers
- Collaborated with a remote team of engineers using GitHub, including pair programming and daily standups
- Co-authored the Bastion case study exploring design decisions and challenges: https://bastion-baas.github.io/case-study.html 🔗

**Full Stack Software Engineer,** *Self-Employed*                     2020 – 2022

- Mellow - A Trello-like project management application - React/Redux, Node.js/Express, MongoDB, Rest API
- Request Pool- Captures and stores HTTP/webhook requests from web applications - Node.js/Express, Go, React, PostgreSQL, MongoDB
- Shopping Cart - An e-commerce app - React/Redux, Node.js/Express, MongoDB, Rest API

**Pricing Analyst,** *Road Scholar*                     2018 – 2020

- Conducted travel program cost evaluations to set prices and optimize profits through reviewing competitive landscapes, travel contracts, and customer behavior history

## Skills

**Backend**
Node.js/Express, Ruby, Go, SQL, MongoDB, PostgreSQL

**Cloud**
AWS (Cloudformation, S3, EFS, Lambda, ECS, ECR, IAM, Fargate, VPC), DigitalOcean, Heroku

**Frontend**
JavaScript, React/Redux, jQuery, HTML & CSS

**Tools**
Git/GitHub, Postman, Docker

## Education

**Software Engineering,** *Launch School* 🔗                     2020 – 2022

Multi-year full-stack software engineering curriculum emphasizing mastery of core skills and fundamentals. Read more at launchschool.com/employers 🔗

**Bachelor of Arts in Economics,** *Boston College*                     2014 – 2018