Reilly Knutson

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Experience

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

https://bastion-baas.github.io/

- 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
- Led the creation of the Bastion SDK, a JavaScript library facilitating communication between Bastion and client frontend applications
- Collaborated with a remote team of engineers using GitHub, including pair programming and daily standups
- 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**: 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**: E-commerce shopping cart 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