Alex Riviere

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TECHNICAL EXPERIENCE

Creator/Software Engineer, Canopy   05/2023 – 09/2023
Canopy is an open-source, real-time monitoring framework designed specifically for CDNs
https://canopy-framework.github.io/case-study/ ⬈
- Architected log data pipeline which used AWS Lambda, ClickHouse and Grafana
- Built a CLI to abstract away complexities of deploying a data pipeline of AWS services
  including AWS Kinesis Data Streams/Firehose, AWS Lambda and an EC2 Instance
- Contributed to engineering EC2 instances to be automatically provisioned with
  ClickHouse and Grafana images deployed via a Docker container.
- Developed a custom lambda function that transformed raw CDN logs into queries
- Automated the Grafana image to provision a data source and custom dashboards
- Designed Grafana dashboards to display CDN log telemetry data using SQL queries
- Created the Admin Dashboard using SQLite, Express and React
- Added an alert service to the admin dashboard using the Grafana API
- Authored a case study ⬈ on Canopy's design decisions and use case
- Collaborated with a remote team of 4 engineers using an agile workflow

Launch School   10/2021 – 05/2023
- Attended a mastery-based education program focused on software engineering
  fundamentals.
- Developed open-source web applications with technologies like Node.js, Ruby,
  PostgreSQL, React, JavaScript, HTML, and CSS.
- Selected Projects:
  - RequestWarehouse: RequestBin clone that generated public endpoints and displayed
    webhooks for testing (NGINX, Node.js, Express, Mongo, React)
  - Shopping Cart: a database-backed e-commerce app (Node.js, Express, Mongo, React)

PROFESSIONAL EXPERIENCE

Financial Analyst, Hintz Capital Management   10/2019 – 07/2022

Education Volunteer, Peace Corps South Africa   07/2017 – 09/2019

SKILLS

- Backend: Node.js, Express, Ruby, PostgreSQL, SQLite, RESTful APIs

- Front End: JavaScript, React, HTML, CSS, jQuery

- Other: Docker, AWS Services (Kinesis Data Streams/Firehose, Lambda, EC2, SQS, S3), Git

EDUCATION

Pennsylvania State University: Bachelor of Science in Economics   08/2013 – 05/2017

Launch School: Software Engineering & Full-stack Web Development