Sam Clark

✉ clarksam19@gmail.com ⚲ samclark.dev in Sam Clark ⌗ clarksam19

PROFESSIONAL EXPERIENCE

Creator, Software Engineer   10/2021 – 01/2022
Lodge
Lodge is an open source self-managed logging framework for small, distributed applications
- Created a pre-configured log aggregation and visualization pipeline based on the Elastic (Elasticsearch, Logstash, Kibana, Beats) stack
- Built a unified dashboard in React.js for using Kibana, managing clusters, downloading configuration files, and re-indexing archived logs.
- Automated the deployment of the pipeline using AWS CDK
- Published a clustom CLI tool built in Node.js as an NPM package
- Decreased operation cost by replacing managed services with pre-configured, self-managed clusters
- Optimized pipeline for availability in the event of outages by replicating clusters across multiple availability zones
- Increased pipeline resilence to traffic spikes by adding a Kafka cluster to buffer incoming logs for the ingestion component, Logstash
- Authored a case study 🔗

Software Engineer   01/2020 – 09/2021
Self-Employed
- RequestBin - Webhook and HTTP request inspection tool built in Node.js using Ngrok and Socket.io
- Reaction - Trello-like project management application built with React.js frontend and Express.js backend
- Airlines - Airline route visualization tool built with React.js frontend and Express.js backend

Various Roles   2013 – 2020
- Freelanced as a production assistant on commercial film sets
- Sold and administered financial products for an insurance agent
- Taught ESL in Thailand
- Cooked in a gourmet restaurant in Paris

SKILLS

Web/Presentation Tier
JavaScript, React.js (Redux and Router), Nginx, HTML/CSS

Application Tier
Node.js, Express.js, Golang, SQL, REST

Data Tier
MongoDB, PostgreSQL, Elasticsearch, Kafka, Redis

AWS
CloudFormation/CDK automation, VPC/EC2 networking, SSM/IAM permissions, S3 storage

Misc
Docker, Bash, YAML, Linux

EDUCATION

BA English, BS Psychology   2009 – 2013
University of Missouri - Columbia
- Graduated magna cum laude with honors
- Published honors thesis