

# Sam Clark

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## PROFESSIONAL EXPERIENCE

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### Creator, Software Engineer

10/2021 – 01/2022

#### *Lodge*

Lodge is an open source self-managed logging framework for small, distributed applications.

- Built 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
- Built a CLI tool in Node.js and published it as an NPM package
- Decreased operation cost by replacing managed services with pre-configured, self-managed clusters
- Increased resilience of pipeline by adding a Kafka cluster to buffer incoming logs for the ingestion component, Logstash
- Increased availability of pipeline by deploying the components as clusters across multiple availability zones

### 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

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### 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

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### BA English, BS Psychology

2009 – 2013

University of Missouri - Columbia

- Graduated magna cum laude with honors
- Published honors thesis