

KYLE FELTER

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IIII EMPLOYMENT HISTORY

07/2017 11/2018

Blackstone Technology Group: Associate **Technical Consultant**

[Product Development] REST API development in Golang UI Design in Angular typescript AWS service integration: s3, lambda, ec2, iam Secure access management using jwt and Keycloak

[DevOps]

Infrastructure as code: Terraform, Ansible Highly available / Clustered services: Hashicorp consul, DNS Automating Auditing and Security scanning: Graylog, Nessus Linux os hardening: CENTOS, SELinux

11/2018 Present

Decipher Technology Studios: Full Stack Developer, Product

[Product Development]

Al machine learning using neural nets to analyze time series

data: pytorch

Api integration: REST, go packages, react components

Web service development: react, go

Golang development: encryption, jwt web tokens

[DevOps]

Devops CI/CD: openshift, Jenkins, circleci

Micro service architecture and containers: docker

09/2019 Present

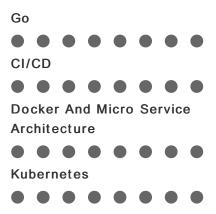
Megaphone: Software Engineer

Megaphone is a leader in technology supporting podcasts. I am the lead developer on the backend services that support audio streaming and dynamic advertisement insertion.

Main efforts:

- · Migrate audio data services from heroku with a managed cdn to kubernetes on bare metal
- · Improve audio delivery architecture using

SKILLS AND ABILITIES



golang/nginx/docker/kubernetes

- · Adding features to the advertisement delivery service written in golang
- · Setup CI/CD pipelines to automate testing and deployment of code updates
- · General software engineering and debugging on a platform with many interacting technologies, including digging into bugs and filtering large data sets to illuminate root causes of a bug effecting multiple parts of a larger system
- · Main languages used: golang, python, bash
- · Support and mentor junior golang developers through PRs and 1 on 1 meetings



EDUCATION HISTORY

05/2017

Virginia Polytechnic Institute and State University: Computer Engineering, Bachelor's Degree

I started out as an Electrical engineer but found myself writing code to solve most of my homework and exams. This lead me to change majors into computer engineering, which focuses on creating practical solutions with software to solve real world problems.



PROJECTS

07/2019 07/2019

Help Queue: Exclusive Contributor

Simple app to help TAs manage student help queues in a web application.

Technology: golang, html/css/JavaScript, AWS ec2, python

Live version: http://18.234.196.95:8080/

01/2019 02/2019

HuePut: Exclusive Contributer

Https://s3.amazonaws.com/core-color/index.html

- · Add new colors to a community board
- Vote on colors by liking them
- · Frontend is written in react hosted as static content in AWS s3
- Backend is an AWS lambda function + s3 as a DB

I really enjoyed making this project, I created it in such a way that the server that hosts the content does not exist until a

user interacts with it. As soon as a user visits the site, a server is created, content is served, then the server is deleted. Every time an action is performed on the site it goes through this process, saving costs on AWS resources and allowing it to be infinitely scalable.

05/2018

Encryption Algorithm AWS Lambda: Exclusive Contributor

This is an interview question that I created and made a solution to. Then in an effort to learn the Lambda and serverless technology, I deployed my solution as an aws Lambda with an api gate trigger.

GitHub: https://github.com/felts94/Golang-Encryption-AWSLambda



CERTIFICATIONS & HONORS

12/2018

Decipher Technology Studios: Best Hackathon Project 2018

service that created a graph representing microservice dependencies using http request tracing



GitHub: https://github.com/felts94