



KYLE FELTER

✉ felterkyle94@gmail.com ☎ (301) 502-5813

📍 Alexandria, Virginia 22314



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]

AI 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

Go



CI/CD



Docker And Micro Service Architecture



Kubernetes



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 Contributor**

<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



ADDITIONAL INFO

GitHub: <https://github.com/felts94>
