Gil Hope

DevOps / Cloud Engineer

Ghopecs@gmail.com || (912) 414- 2161 || Linkedin || Dev.to

EXPERIENCE

ARCADIAN.CLOUD

DevOps Intern / 2023

- Managed pipeline development adhering to Agile methodologies.
- Assisted in building automated pipelines for clients using GitHub Actions, integrating security measures and utilizing Playwright for E2E and Jest for unit testing.
- Implementing AWS Cognito using Infrastructure-as-Code and integrated AWS Amplify React for site authentication for client.
- Proficient in Git/GitHub branch management and Agile collaboration methodologies. Basic familiarity with Docker, Kubernetes (K8s), Linkerd, and Jenkins for CI/CD processes.
- Set up Discord notifications on success or failure of workflow and tests with Discord webhooks and GitHub Actions.
- Deployed to Vercel for development environments using GitHub Actions.
- Experience in diagnosing and resolving Linux system issues by utilizing filesystem checks and hardware diagnostics, as well as addressing boot-related problems and system recovery.

BROAD SPECTRUM ADVERTISING

Owner/Operator / 2017 - 2022

In 2017, I founded Broad Spectrum LLC while working on my degree. We operated for roughly 5 years and during which time we had the opportunity to work with many local and out of state clients from restaurants to healthcare, night clubs to auto parts dealers. You can look over a little of what we accomplished by visiting: broadspectrumad.com

- As principal owner, I was required to manage all aspects of the business. This includes the business planning, setting goals, financial management, tax compliance, and book keeping.
- Developed and maintained a brand strategy aligned with the client's vision and values, conducting research for growth opportunities and overseeing brand identity creation, including guidelines, logos, and visuals.

PROJECTS

Cloud Resume Challenge -
I created a personal resume website deployed to a S3 static website and served by CloudFront using HTTPS for security. A serverless feature is implemented using JavaScript, DynamoDB, Lambda, and the API to increment, update, and return a visitor count. I defined and configured these resources using AWS SAM. Source control and CI/CD was implemented with GitHub and GitHub Actions.

VPC Stack -
This project utilizes Terraform to provision a VPC infrastructure with distributed public/private subnets across multiple AZs, an Elastic Beakstalk backend environment, RDS, Elastic Cache, and Active MQ backend services, and as well as associated security group, key pairs, and bastion hosts.

2048 Game -
In this project I used a GitHub Actions workflow to automate the deployment of a 2048 Game Dockerfile to Elastic Beanstalk using Terraform.

Comprehensive CI/CD Pipeline - *in progress*
Working to establish a comprehensive CI/CD pipeline on AWS, integrating a suite of DevOps tools including Jenkins, Terraform, Ansible, Maven, SonarQube, and Kubernetes. Implementing Jenkins pipeline, code quality assessment with SonarQube, containerization via Docker, and Kubernetes deployment using Helm, and optimizing monitoring with Pormetheus and Grafana.

EDUCATION

GEORGIA SOUTHERN UNIVERSITY

Statesboro, Georgia / 2022