Richard Craddock

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linkedin.com/in/richard-craddock- | github.com/aliciousness

Tech Stack

- AWS - EC2, S3, Route53, DynamoDB, Lambda, CodeBuild, CodePipeline, API Gateway, VPC, CloudFront, CloudWatch, CloudTrail, Cognito, Inspector, Organizations, KMS
- Pulumi, Terraform, CloudFormation, Ansible
- Git, Bitbucket
- HTML, CSS, JavaScript, Python, Bash, HCL

Relevant Experience

DevSecOps Engineer
June 2022 - Present
Alpine Cyber Solutions

- Spearheaded adaption of Ansible to securely configure fleet of about 1500+ Point of Sales
- Created dynamic inventory with Python plugin for Ansible task automation
- Supported the implementation of a WAF for external customers company domain in Azure Cloud
- Develop patching architecture for client machines with reporting features
- Created automated process for imaging patched POS (Point Of Service) machines using packer, github, VmWare and Ansible to speed up process of images by 70%.
- Designed an AWS solution organization, account and associated resources with appropriate security policies with Terraform for external customers to speed up development testing.
- Leveraging Bitbucket Pipelines, deployed SonarQube for static code analysis and secret scanning on each pull request to main and develop

Freelance Engineer
May 2022 - Dec 2022
Cloudbuddies Inspired Cloud Solution

- Assist design of front end with REACT.js
- Assist in development and design of templates for back-end including but not limited to: AutoScaling groups, Launch Templates, Load balancers,
- Collaborated with team to understand and provide infrastructure needs for non production and production environments
- Designed autonomous templates for reusability

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Slack Reporting Application

github.com/aliciousness/caseyProject

- Infrastructure as code (IaC) using Pulumi/Python
- Designed a Slack App powered by a serverless backend; AWS Lambdas, API Gateway, and DynamoDB
- Wrote an AWS Lambda using Python/Boto3 to process incoming Slack commands and store/administer data

Resume

github.com/aliciousness/new_website

- Administered IaC with Pulumi and Python
- Designed and implemented a CI/CD pipeline using GitHub, AWS CodeStarConnect, AWS Codebuild, AWS CodePipeline, and S3.
- Registered a unique DNS for the website utilizing AWS Route53
- Brought the website to the internet by applying AWS Certificate Manager and AWS CloudFront.

Slack Weather Application

github.com/aliciousness/Weather-repo

- Capitalizing on AWS serverless Lambda to interact with OpenWeatherAPI
- In combination with Python Time module, and boto3 to post to a Slack channel with the sunrise, sunset, temperature, and the designated location.
- Employed Git to leverage version control.

VPC Infrastructure

github.com/aliciousness/VPC_prac

- Defined a virtual network through Pulumi in partnership with AWS VPC
- Employed AWS Systems Manager to manage private instances
- Deployed Public and private subnet resources in designated availability zones.
- Recruiting AWS EC2, to set egress and ingress access and spin up virtual computing environments.

Education

Quakertown Community High School   June 2013