

DANIEL ALTEON

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SKILLS

Languages & Frameworks

Python · SQL · Javascript · HTML5 · CSS3 ·
Django · ReactJS · NextJS · Flask

Cloud Technologies & Infrastructure as Code (IaC) Technologies

AWS · GCP · Microsoft Azure · Ansible ·
Terraform · Vagrant ·
AWS Vault - IAM Credentials Manager

Web3 & Blockchain

Solana/Web3.js · Anchor · Seahorse

Roles

DevOps Engineer · System Administration ·
Backend Developer · Cloud Engineer

Operating Systems

Linux · Microsoft Windows

Version Control & Web Servers

GitHub · NGINX

CI/CD & Automation

GitLab · Bash Scripting

Databases & Containerization

PostgreSQL · Docker · Kubernetes

EDUCATION

Web Development Fundamentals

Nucamp Coding Bootcamp

Data Structures and Algorithms with Python

Nucamp Coding Bootcamp

SQL and Data Modeling with Python

Nucamp Coding Bootcamp

Modern Software Engineering With DevOps

Nucamp Coding Bootcamp

SUMMARY

My mission is to craft and sustain efficient pipelines, bolster system reliability, and elevate overall performance. Through a continuous journey of learning, combining professional experience with dedicated education, I aim to continually enhance and refine this mission. I also want to dive deeper into the world of web3 and work on cutting edge blockchain applications; whether they be permissionless/public or permission/private based blockchains.

EXPERIENCE

DevOps Engineer 2022 - Present
[A13Systems](#) Remote

Boutique Firm For Infrastructure, Cloud, & Security Consulting

- Collaborated with clients to understand their infrastructure needs and implemented cost-effective, scalable solutions on cloud platforms (AWS, Azure, GCP).
- Defined and managed EC2 instances, ECS, Route53, and related cloud resources using Terraform (IaC).
- Migrated API solutions written in Python that were hosted locally to AWS.
- Implemented containerization strategies using Docker within CI/CD workflows.
- Configured GitLab CI/CD pipelines for automated testing, building, and deployment of API's into staging, and production environments respectively.
- Provisioned DynamoDB to lock Terraform (IaC) states to avoid conflicts.
- Troubleshooted issues, optimized performance, and enhanced overall system reliability.
- Setup Bastion servers within private subnets for secure access to backend resources.
- Used S3 bucket for management of Terraform (IaC) states for various projects.
- Utilized Insomnia for the designing, debugging and testing of API's.
- Created and maintained Kubernetes YAML manifests for Deployments, Services, and ConfigMaps.

PASSION PROJECTS

Solana Counter DApp with Front End

A program built with Next.js that allows users to increment, set, and decrement numbers on the Solana blockchain.

- Each function triggers a transaction that you will need a phantom wallet to complete.
- A separate node or terminal was setup on a localnet cluster to access the full capabilities of the blockchain.
- A CI/CD was implemented to deploy the code to AWS ECS.

🔗 <https://github.com/inventandlearn/solana-counter-frontend-dapp>

PoS Blockchain Prototype

A Proof of Stake blockchain prototype written in python that demonstrates how tokens are transferred, staked, and exchanged throughout a decentralized network of nodes.

- Utilized Flask to build the API component for the nodes.
- Deployed to a Minikube cluster for testing and AWS EKS cluster for production via GitLab and Terraform.
- Implemented python script entrypoint for docker containers to initialize nodes.

🔗 https://github.com/inventandlearn/Python_PoS_Blockchain

Solana Calculator

A program that demonstrates calculations involving addition, subtraction, multiplication, and division on top of the Solana blockchain.

- The results of the calculations appear on the Solana Explorer (<https://explorer.solana.com/>).
- Deployed program to AWS ECS via GitLab with Terraform
- Built the program with Seahorse an open-source framework that lets you write Anchor-compatible Solana programs in Python.

🔗 <https://github.com/inventandlearn/seahorse-calculator-solana>

CERTIFICATION

Technical Support Fundamentals

Coursera - Google

Introduction to Python Scripting for DevOps

Coursera