Chris Jones

Principal Architect

Personal Info

Location

Brooklyn, NY

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Email

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LinkedIn

https://linkedin.com/in/pipetogrep

Skills

Linux

AWS

GCP

CloudFormation

Terraform

Docker

ECS/Fargate

Kubernetes

Helm

CI/CD

AWS Lambda

BASH

Python

About

- Principal Architect with background in multiple overlapping careers including systems engineering, DevOps Engineering, and IT Support management.
- Has extensive experience in building and maintaining enterprise scale on-prem and cloud environments.
- Has extensive experience in building CI/CD driven microservice based architectures.
- Has extensive experience with many Linux distributions.
- Skilled in the setup and maintenance of highly available and redundant systems.
- Experienced in systems integration in order to create the best possible foundation for any given project.
- Experienced in working with and supporting developers in order to see projects through to completion and continued development.
- Very adept at researching, troubleshooting, identifying, and ultimately fixing problems.

Experience

05-2021 - present

Quartet Health

Principal Architect

Quartet Health is a company that tries to make getting access to mental health care easier. I started as a DevOps engineer but grew into the role of Principal Architect. That role had me involved in DevOps, systems engineering and administration, IT, and security.

- Managed and maintained Quartet Health's diverse AWS and containerized (Fargate and Kubernetes) environments.
- Migrated Quartet's services to EKS that were previously hosted directly on EC2.
- Migrated Quartet's services from EKS to Fargate upon realizing that Kubernetes was a bad choice for their infrastructure.
- Migrated Quartet's aged self-hosted SFTP server setup from a single server to AWS Transfer Family. This resulted in an increase in security for our clients and a reduction in maintenance complexity.
- Implemented Atlantis for handling Terraform via GitOps.
- Created a custom built VPN solution around OpenVPN CE and OneLogin, then later Okta. The result significantly reduced the complexity and cost of the company's VPN setup.
- Fully built and automated an Informatica environment via Terraform.
- Provided guidance and mentorship for all engineers on best practices regarding AWS, CI/CD methodoligies
- Significantly reduced Quartet's AWS costs.
- Nurtured and maintained a healthy DevOps based culture that allowed the dev and infra teams to work well together.
- Worked hand-in-hand with the security team to ensure HIPAA and SOC2 compliance for our entire infrastructure.
- Deployed Darktrace across our entire IT infrastructure (Cloud and individual laptops) for security monitoring purposes.
- Deployed Rapid7 across our entire IT infrastructure (Cloud and individual laptops) for security monitoring purposes.
- Maintained a remote IT support fleet for over 400 remote workers.
- Took over and rebuilt the IT support department. Discovered and shut down a laptop theft ring within the company.

JavaScript

████████████

PowerShell

██████

Jamf

██████████████████

Kandji

██████████████████

Google Workspace

██████████████████

Microsoft Intune

██████████████

- Migrated the IT Support team's Apple MDM solution from Jamf to Kandji.
- Migrated the IT Support teams's Windows MDM solution from ConnectWise to Microsoft Intune.
- Managed Quartet's Google Workspace environment.
- Managed Quartet's O365 environment after the migration from Google Workspace.
- Managed and maintained Quartet's self-hosted Github Enterprise Environment.
- Significantly improved the IT department's overall security posture by fully automating updates for all user control machines.
- Implemented Okta as the company's new SSO platform.
- Taught and mentored in the ways for DevOps, systems engineering, security, and IT management. Quartet truly utilized all of my abilities.
- Optimized the entire IT support workflow from users requesting help with issues to those problems getting solved into a faster and more efficient workflow.
- Deployed company device asset tracking where they previously had none.

09-2020 - 05-2021

Voice.com

DevOps Engineer

DevOps engineer for Voice.com, a social network built on the EOSIO blockchain.

- Managed and maintained Voice's GCP and Kubernetes environments.
- Became familiar with blockchain technology. Specifically the EOSIO blockchain framework.
- Was instrumental in streamlining a massive lift-and-shift migration from Block.one's infrastructure to Voice's. Migrated services included multiple Kubernetes clusters, over 200 GitHub repositories, PostgreSQL databases, CI/CD pipelines, and DNS records, and NPM packages.
- Streamlined their CloudFlare and PagerDuty accounts by managing them via Terraform and buildkite.
- Became their go-to resource for tricky Terraform and Bash related issues.

08-2019 - 09-2020

AiCure

DevOps Engineer

DevOps engineer for AiCure, creators of a machine learning based mobile app that assists patients in clinical trials.

- Overhauled AiCure's code deployment process to make it a true CI/CD process
- Made AiCure's existing services more resilient by implementing optimizations like container autoscaling
- Made use of Lambda functions to reduce cost and make management of infrastructure easier to maintain

08-2018 - 08-2019

Univision

DevOps Engineer

DevOps engineer for most of Univision's online presence

- Built custom tooling to automate and provide accountability for the entirety of Univision's and Gizmodo Media Group's DNS infrastructure

- Containerized and automated of Univision's Jenkins environment
- Rebuilt Univision's AWS environment entirely in CloudFormation
- Brought visibility to cost of operation of all Univision AWS accounts via CloudHealth
- Implemented CI/CD pipelines to test and automate other processes wherever possible
- Migrated their deployments from ECS to Kubernetes
- Became DevOps lead by default and rose to the increase in responsibilities

03-2016 - 01-2018

Digarc

Senior Linux Systems Engineer

Administrator for high traffic college catalog websites consisting of a few hundred servers. Closely worked with and supported the needs of developers.

- Was made lead systems manager with and put in charge of managing a team of admins
- Managed and improved upon their existing AWS stack
- Managed and improved upon their existing Chef environment
- Led an effort to transition to Docker containers wherever possible
- Led an effort to migrate more of their legacy infrastructure to AWS specific services
- Automated the creation of vagrant boxes for developers via continuous integration
- Automated various long and manual workflows

Education

University of Central Florida

Bachelor's in Digital Media

Central Florida Community College

Associate's Degree