

Chris Jones

Principal Architect
DevOps Engineer
Systems Engineer

Personal Info

Location

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Skills

Linux



AWS



GCP



CloudFormation



Terraform



Docker



ECS/Fargate



Kubernetes



Helm



CI/CD



AWS Lambda



BASH



Python



JavaScript



PowerShell



About

Principal Architect

- Experienced Principal Architect capable of leading the design and implementation of complex on-prem and cloud based systems.
- Possesses an extensive background in multiple overlapping careers including systems engineering, DevOps Engineering, Systems Engineering, and IT Support management.
- Possesses strong leadership and mentorship skills and can provide a culture of excellence and continuous improvement.
- Has excellent communication skills with both technical and non-technical stakeholders.
- In-depth knowledge of software design patterns, architectural styles (e.g., microservices, event-driven, serverless architecture, various CI/CD tools), and other emerging technologies

DevOps and Platform Engineer

- Expert in building CI/CD driven microservice based architectures.
- 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.
- Adept at creating and implementing tooling for developers to guarantee that they have the smoothest path from coding to production deployment.

Systems Engineer

- Has extensive experience in building and maintaining enterprise scale on-prem and cloud environments.
- Highly experienced with many Linux distributions.
- Skilled in the setup and maintenance of highly available and redundant systems.

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

Jamf
Kandji
Google Workspace
Microsoft Intune

Education

University of Central Florida

Bachelor's in Digital Media

Central Florida Community College

Associate's Degree

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 methodologies
- 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.
- Migrated the IT Support team's Apple MDM solution from Jamf to Kandji.
- Migrated the IT Support teams' 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 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