

Austin Kranz

austinkranz@gmail.com | austinkranz.com

DevOps Engineer

AWS Certified DevOps Engineer Professional with 4+ years of experience in DevOps and Cloud Infrastructure Management. I possess a strong background in cloud infrastructure and automation, adept at designing and implementing scalable solutions that improve system reliability and minimize downtime. My proficiency extends to implementing Continuous Integration/Continuous Deployment (CI/CD) practices, enabling me to deliver high-quality products that exceed customer expectations.

Work Experience

DevOps Engineer | BuildASign.com | 07/2021 – Present

- Authored BuildASign's CI/CD pipeline architecture as the company's first DevOps engineer, reducing deployment time and increasing team productivity.
- Designed and maintained reliable and scalable infrastructure in AWS to support continuous integration and delivery of BuildASign's E-commerce and manufacturing applications.
- Developed and maintained application infrastructure with infrastructure as code (IaC) tools such as AWS CloudFormation and Terraform.
- Collaborated with development and IT leadership to plan and implement the migration of BuildASign's entire application infrastructure into AWS.
- Managed configuration and maintenance of BuildASign's toolset across the entire software development process.
- Authored BuildASign's processes for container creation and orchestration, in pursuit of a micro-services architecture.

Engineering Operations | SolarWinds | 11/2020 – 07/2021

- Administered high-availability VMware vRealize Automation (vRA) cloud service clusters across 3 major data centers that serve SolarWinds developers around the globe.
- Troubleshoot issues with automated deployments of a wide range of desktop and server operating systems (Windows, Mac, Linux distributions) and services (Active Directory, SharePoint, Exchange, etc.).
- Customized and debugged PowerShell and Ansible automation scripts/playbooks for virtual machine and service deployments.
- Performed vRA service maintenance including patching, upgrades, and monitoring.

IT Helpdesk Analyst | SolarWinds | 05/2018 – 11/2020

- Managed systems authentication and user configuration in a hybrid cloud environment with tools such as Active Directory and Microsoft Azure to deliver a fluid end-user experience.
- Communicated and worked directly between end-users and IT systems departments to resolve client and server-side incidents.
- Led a variety of IT projects in managing external vendors and utilizing internal resources to install SolarWinds' first IT Tech Bar.

Skills and Competencies

Hard Skills

- CI/CD practices and tools (Jenkins, CodePipeline, etc.).
- Wide variety of AWS services (EC2, S3, Lambda, RDS, CloudFront, etc.).
- Infrastructure as Code (IaC) tools (Terraform, CloudFormation).
- Containerization and orchestration (Docker, Kubernetes, ECS).
- Automation (PowerShell, Bash, and Ansible playbook scripting).
- Python development.
- Monitoring and logging tools (CloudWatch, ELK Stack).
- System Administration for multiple Linux distributions (Ubuntu, CentOS, RedHat, openSUSE, Debian).
- Networking (TCP/IP, DNS, VPC, Firewalls, Load Balancing).

Soft Skills

- Effectively communicate across departments and vendors to bring DevOps projects to fruition.
- Able to organize and present information in a concise manner.
- Strong oral and written communication skills.
- Pro-active communicator with strong attention to detail.
- Strong ability to collude with others to solve problems and achieve goals.
- Continuous learning and improvement.

Personal Enrichment

- I built and maintain my own virtualized home lab where I continuously hone my skills in DevOps, which helped me prepare for the AWS Certified DevOps Engineer Professional and Kubernetes Certified Administrator exams.
- I was invited twice to visit Texas State University to guest lecture on DevOps to a senior-level software engineering class.

Certifications

- | | |
|---|---------|
| • AWS Certified DevOps Engineer – Professional
<i>Amazon Web Services (AWS)</i> | 01/2024 |
| • Google IT Automation with Python Professional
<i>Google</i> | 01/2023 |
| • Certified Kubernetes Administrator
<i>The Linux Foundation</i> | 06/2024 |

Education

- | | |
|--|-----------|
| Bachelor’s in Business Administration Computer Information systems
Texas State University, San Marcos, TX | 2016-2020 |
| • Overall GPA: 3.63 | |
| • Related coursework: Computer Information Systems, Business Computer Applications, Business Database Applications and Advanced DBMS, Enterprise IT and Business Intelligence, Data Communications, Python & C# programming, Communications. | |