# Andrew Herrington

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As a seasoned Infrastructure Engineer, I am enthusiastic about applying my leadership skills and technical acumen to steer a high-performing team implementing Kubernetes and AWS. I want to lead the design and implementation of cutting-edge platform solutions, ensuring developers can attain maximum velocity on product goals. I am committed to fostering innovation and eager to contribute to the success and growth of the organization through effective platform engineering technical leadership.

## WORK HISTORY

07. 2019 - PRESENT 

**AUTODESK – SAN FRANCISCO, CA (REMOTE)**
**Platform Engineering Tech Lead, Autodesk Construction Solutions**

Joined Autodesk with the acquisition of Plangrid.
Formed the new ACS Service Infrastructure Cloud Engineering team as technical lead.
Developed the ACS internal developer platform with a focus on AWS infrastructure.
- Provided a fully managed infrastructure experience to ACS developers, scaling from ~20 services to over 100.
- Focus on Infrastructure as Code and creating repeatable, secure environments.
- Primary subject matter expert on our Terraform-based infrastructure platform
- Developed APIs and services in Python to support the ACS platform

Grew the team from 2 to 9 engineers, participating in hiring ICs and managers. This growth includes hiring junior engineers and mentoring them to grow their technical and professional skills.
Developed norms for tech leads in our engineering group, starting regular syncs and information sharing among leads to promote cross-team success
Fostered close relationships with ACS Developers to improve my product knowledge and gather feedback on the ACS platform.

07. 2018 - 06-2019 

**DIGITALOCEAN, INC– NEW YORK, NY (REMOTE)**
**Senior Infrastructure Engineer**

I formed DigitalOcean's Infrastructure Tools team, a new team responsible for creating tooling for Operations and Infrastructure teams.
Worked with software-defined infrastructure:
      Config management via Chef, Salt, and Ansible-Tower
      Container operations using Kubernetes and Docker
Developed software (Python, Go, Ruby) to automate tasks and provide tooling
Heavy focus on workflow automation using Ansible and Chatops

| 03. 2014 - 07. 2018 | **DIGITALOCEAN, INC– NEW YORK, NY (REMOTE)** |
| | **CloudOps Engineer** |

Responded to all infrastructure alerts for over 18k production servers and managed any outages or incidents.
Worked on CI/CD pipelines for applications and software-defined infrastructure in Salt and Chef.
Mentored junior admins and provided training.
Developed software (Python, Go, Ruby) to automate tasks and provide tooling to minimize human error.
Provided fully managed service for high-value clients and handled escalated customer tickets.
Operated as an interface point between our Customer Support and Engineering teams.

| 11. 2013 – 03. 2014 | **OUR LADY OF THE LAKE UNIVERSITY – SAN ANTONIO, TX** |
| | **Systems Administrator** |

Part of a team of two engineers responsible for the day-to-day administration of the campus network, including 130+ servers (80 virtualized) and around 4000 users. Worked with the VMware infrastructure to maintain, update, and create new VMs as needed.

Was a part of the migration from an older VMware environment to a newer environment based on Cisco UCS and EMC VNX Hardware. Took the lead on VM migrations, including critical servers requiring after-hours migration.

As a part of this position, I acted as an "open source evangelist" to the systems team. The environment was almost 100% Windows when I started, and I worked hard to help demonstrate where Linux and open-source solutions could help the university. Examples include using MediaWiki instead of Sharepoint and replacing a Windows server running Apache with a more efficient Debian server running Lighttpd.

| 03.2011 – 11.2013 | **VISUAL NET DESIGN – SAN ANTONIO, TX** |
| | **Systems Administrator** |

Responsible for growing Visual Net Design's hosting division (vndHost) and planning for upgrades to support future growth. Rebuilt aging Windows 2003-based hosting architecture and modernized it. Led a move from a mainly Windows environment to a primarily Linux one. Worked through a network transition from a single connection to supporting multi-peering using BGP routers designed based on OpenBSD. Continued work to modernize VND's infrastructure by replacing aging switches and servers with newer and more efficient technologies.
As a part of this position, I was required to be self-motivated and primarily self-managing. I had to balance my time between support roles (answering client inquiries), sales roles, and systems administration. I had to design and manage my projects and goals and push them forward to completion.
I also worked very closely with VND's development team. Part of this role was acting as a Systems Architect to help design hosting solutions to fit the custom code being developed for large clients needing a custom solution.

| 04.2010 – 09.2010 | **RACKSPACE, INC – SAN ANTONIO, TX** |
| | Systems Administrator |

Responsible for front-line customer support for Rackspace's Email & Apps division. Supported hosted email and applications, including Exchange, Rackspace Email, Jungledisk, and Sharepoint.

| 04.2009 – 04.2010 | **ADJUGGLER, INC** |
| | NOC Support Technician |

Responsible for tech support on the $2^{nd}$ shift in a 24/7 NOC environment, supporting AdJuggler's SAAS products and Linkstar's hosting clients. I honed my skills in a professional Linux environment by working closely with AdJuggler's engineering team to stop issues from escalating to them. Worked on projects including deploying servers, programming projects for a new support portal, and researching technologies to aid in future growth.
This job required a high degree of self-management due to working alone during part of my $2^{nd}$ shift. I also picked up extra swing shifts, including coming in a few hours early to have more interface time with the engineering team to learn more from them

| 08.2006 – 07.2008 | **SHENANDOAH VALLEY ACADEMY, NEW MARKET, VA** |
| | Technical Lead |

Responsible for all the network and computing technologies on SVA's campus. I managed a network spanning five buildings, 200+ users, and 200+ machines, including student-used computer labs.
Started transitioning to using Linux in the school environment by replacing aging Windows 2000 machines with Ubuntu Server to perform data backup and host SVA's website. Redesigned the website to update for a new look.
Worked with the school's AD domain and redesigned it to allow for more secure permission and user control, removing the need for users to be local administrators in most cases.
Worked with a transition from paper grade books to an online grading portal.
Planned and implemented a campus-wide technology update and rollout, including network rewiring, installation of projection equipment in teacher classrooms (DVD/VCRs, Projector, computer, sound systems), and smartboards.

## EDUCATION

| 2007-2009 | **BLUE RIDGE COMMUNITY COLLEGE – WEYERS CAVE, VA** |
| | Took courses in technology as well as working towards an AS degree |

| 2006-2007 | **JAMES MADISON UNIVERSITY – HARRISONBURG, VA** |
| | Enrolled in the Integrated Science and Technology (ISAT) program focusing on computer programming. |