

# Robert Uhl

602-549-2424 | 43737 Cypress Ln 85138 Maricopa, AZ | [robuhl12@gmail.com](mailto:robuhl12@gmail.com)  
[Github](#) | [Portfolio](#) | [Linkedin](#)

## Skills

Python, AWS, Terraform, Git/Github, Jenkins, GraphQL, REST APIs, Nautobot, Ansible, LogicMonitor, Bash/Linux, Docker, Jira, Service Now, Infoblox, Arista/Cisco CLI, and Arista Cloud Vision

## Experience

October 2022- PRESENT

### **Arizona State University** - *Network Automation Engineer*

- Led the development of network automation tools, reducing reliance on external vendors and saving the university approximately \$500,000 annually in managed service costs.
- Developed automation scripts to convert network configurations into structured data, improving the accuracy and efficiency of network configuration management.
- Automated multi-OEM network configuration generation and validation, reducing manual input errors and improving deployment time by 200%.
- Utilized Terraform to create AWS-based backend infrastructure, including Lambda functions, EC2 instances, S3 buckets, and containers deployed to ECS to streamline network automation and improve deployment efficiency.
- Implemented Jenkins pipelines to ensure continuous integration and deployment of automation code enhancing collaboration and deployment speed.
- Supported multiple critical products by providing documentation, training, and answering user questions.
- Designed and implemented a backup and restore system for critical server data, enhancing system management efficiency and minimizing downtime.

April 2022- October 2022

### **Advantage Technical** on contract with **Arizona State University** - *Wireless Network Engineer*

- Created and executed wireless site surveys, analyzing coverage and capacity requirements for optimal wireless network design.
- Troubleshoot Layer 3 wireless network issues, identifying root causes and implementing fixes to improve overall network performance and reliability.

March 2020- February 2021

### **TEK Systems** - *System Analyst*

- Automated routine network administration tasks using Bash scripts, improving team productivity and reducing manual errors. i.e. [link](#)
- Utilized network monitoring software (e.g., LogicMonitor) to identify and troubleshoot root causes of network issues, reducing downtime.

## Education

**Western Governors University** - *Bachelors in Computer Science* - ABET Accredited

## Certifications

ASAA - AWS Solutions Architect Associate  
CCNA - Cisco Certified Network Associate