Adam Brodack
📍 Remote or Hybrid Option

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DevOps/Network Engineer with capability to build and automate the deployment/management of network and server infrastructure through the use of configuration management tools. Highly-motivated candidate, with 4+ years of experience holds proficient code writing skills in Python and leverage Ansible tool to automate deployment tasks.

Work Experience

Network/Voice Service Specialist, *June 2019-Present*
The Dow Chemical Company
• Perform audit of network infrastructure to remove straining costs and revamp tracking of network assets within ServiceNow's CMDB.
• Research and deploy a centralized monitoring tool to monitor Dow's global network using the following tools: Grafana, Prometheus, Ansible, & SolarWinds.
• Develop and deploy a web application in Python to form a centralized database for all voice services (phone lines, devices, etc) and keeps them updated via integrations with several voice systems (Cisco Call Managers, E911, invoice management system, SolarWinds, etc.)
• Develop and deploy a web application in Python to provide basic network troubleshooting tools as an alternative option for co-workers to use during the Zscaler deployment project. It also provides network validation capability to validate if routing and firewall rules are implemented by leveraging Azure and Palo Alto APIs.
• Plan and provide a network/security lab for various teams in the Information Systems organization to grant them the ability to experiment with new technologies, improve their technical skill set to offer better IT services and to troubleshoot connectivity/voice issues that arise in Dow's environment.
• Develop a modern network inventory management system to help manage our equipment in warehouses/production environment and build integrations with SAP asset management and monitoring tools to help maintain it.

DevOps Engineer Internship, *May 2018 - 2019*
IP.com, LLC
• Maintained existing Grafana/Prometheus monitoring systems.
• Deployed an improved version of vmware_exporter Prometheus exporter for the VMware ESXi systems.
• Deployed a custom Python-based UPS monitoring application to perform scheduled shutdowns based on UPS's runtime thresholds during power outages.
• Assisted co-workers with upgrading and decomissioning server hardware in office and datacenter locations. Also assisted with planning rack layout designs for the new datacenter and migrating server hardware over to the new location.
• Assisted co-worker with upgrading old MySQL cluster to an improved MHA (MySQL High Availability) cluster system.
• Performed research on Kubernetes technology and how to apply it to our current infrastructure.

Application Developer, Internship, *May - August 2017*
Ameren Corporation
• Developed and maintained different tools utilized by the company in C# language such as log analyzing, automatic deployment, & certificate expiration notifications.
• Created a simple database to track SSL certifications and their expiration dates.
• 80% of time was developing C# programs while 20% was developing the database as well as redesigning the web page for the monitoring system.

Technical Skills

Systems Administration
Enterprise Linux, Ubuntu, CentOS, RedHat, Windows, Bash Shell, Proxmox VE, VMware ESXi/vSphere/Workstation, Firewall Management

Server Applications
SolarWinds, Grafana/Prometheus, GrayLog, MariaDB, MSSQL, OracleDB, PostgreSQL

DevOps
Ansible, Azure DevOps, Docker, Drone CI/CD, Kubernetes, Open Source Tools

Networking
Cisco Switch/Router, Dell Switch, INFOBLOX, Network Architect Design, Palo Alto Firewall, Versa SDWAN, VyOS Router

Application Development
GitHub/GitLab (Git), C#, Java JavaScript, NodeJS, Python

Education

Rochester Institute of Technology
Networking & Systems Admin
Bachelor of Science
May 2019

Hobbies

Camping/Hiking, Bicycling, Home Automation, Homelab, IoT DIY Projects, PC Gaming, Rock Climbing

Awards/Achievements

Eagle Scout Rank, *May 2012*
Boy Scouts of America