

Objective	Motivated DevOps Engineer seeking a role to utilize my automation experience in a cloud environment
Skills	<p>Skilled in the use of technology and computer interfaces</p> <ul style="list-style-type: none">▪ Experience with Git, Apache, Nginx, SQL, Javascript, REST APIs, Netscaler, F5, Puppet, Packer, Teamcity, and Jenkins▪ Experience with Kubernetes, Docker, Helm, Terraform, and Kustomize▪ Experience with Python, Virtualenv, Flask, Pandas, Jupyter, and PyCharm▪ Familiar with Prometheus, Ansible, Atlassian, Bash, NodeJS, and MongoDB▪ Experience with VMWare, Powershell (PowerCLI), AD, and Regex
Experience	<p>DevOps Engineer II</p> <p>February 2020 – Present, ARUP Laboratories, Salt Lake City, UT</p> <ul style="list-style-type: none">▪ Provision AWS cloud infrastructure utilizing Terraform in multiple accounts▪ Provide CI/CD developer support for automatic Kubernetes deployments utilizing GitOps integration of TeamCity and Octopus deploy▪ Configure and optimize autoscaling for EKS platform running Argo workflows▪ Design and provision role-based access control for AWS, Kubernetes, and on-premise infrastructure <p>Projects</p> <ul style="list-style-type: none">▪ Development of terraform modules to automate e2e EKS cluster provisioning▪ Design and deploy Minio (s3) servers to abstract on premise NAS <p>Systems Administrator</p> <p>January 2018 – February 2020, University of Utah, Salt Lake City, UT</p> <ul style="list-style-type: none">▪ Install, update, configure, migrate, and decommission web application platforms on LAMP (Linux, Apache, MySQL, PHP) stack environment▪ Design and manage Kubernetes platform for web application deployments utilizing Jenkins declarative pipelines▪ Update and configure virtual servers on Citrix Netscaler and F5 Big IP▪ Execute SQL queries to read and update MySQL databases▪ Train interns and peers on workflows and best practices for Linux administration and Python development <p>Projects</p> <ul style="list-style-type: none">▪ Development of Kubernetes deployment pipeline utilizing Python automation to deploy DNS, SSL, and Kubernetes YAML resources▪ Development of a Python Flask web application to automatically request SSL certificates from the SSL provider's API (InCommon) and deploy the files to the webhost, Citrix Netscaler, or F5 Big IP▪ Flask feature: Linux VM inventory showing weekly reports of custom webhost attributes stored in MySQL DB▪ Flask feature: DNS Checker, checks internal and external DNS, CMS, SSL, and LDAP properties of a website's attributes

Systems Administrator I

March 2017 – January 2018, University of Utah Health, Salt Lake City, UT

- Developed, tested, and utilized Python and Powershell scripts to automate monitoring and updating of production server environment
- Performed Windows server administration of VMWare virtual machines, as well as hardware administration of HPE C-Class enclosures and blades
- Administered server environment by managing server lifecycle including provisioning, retiring, migrating, and converting physical and virtual machines
- Troubleshoot and documented server configurations including DNS, networking and active directory as well as replacing hardware

Projects

- Developed a Python script to inventory 600 physical blade hardware utilizing the Paramiko and Pandas modules
- Developed a Python Flask web application used to create Active Directory security groups with permissions to a network folder

Help Desk Agent

August 2016 – March 2017, University of Utah Health, Salt Lake City, UT

- Responded to phone, email, and web-based IT trouble incidents remotely
- Performed level 1 technical troubleshooting for hospital employees
- Resolved Citrix client issues on Mac, Windows, iOS, and Android
- Utilized historical incidents and knowledge base to efficiently resolve issues
- Lead performer on Service Desk for 2 months

Data Technician

August 2015 – August 2016, Myriad Genetics, Salt Lake City, UT

- Verified and printed confidential patient report information
- Performed regression user acceptance testing (UAT) on informatics changes
- Attended Scrum meetings to recommend and track development changes and updates to proprietary reporting application

Undergraduate Research Assistant

June 2014 – January 2015, University of Utah, Salt Lake City, UT

- Computational chemistry research on lithium cation affinities using Q-Chem
- Remotely controlled a CHPC UNIX computer for chemistry calculations
- Handled a large file system and used C-Shell scripting as well as vim
- Edited and optimized C++ variables and compiled code using G++

Education

6.00.2x: Introduction to Computational Thinking and Data Science

6.00.1x: Introduction to Computer Science and Programming Using Python
MITx / EDX – Spring 2018

Bachelor of Science - Chemistry

Bachelor of Science - Business Administration

University of Utah – Fall 2014

William Gleich

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