

Highly skilled engineer with a proven track record in systems of heavy complexity, massive scale and critical yet microscopic details such as automating the rehome of 2000+ multi-vendor BGP clients. My dream job would be at a healthy company that actively shares many of my values such as customer-first development, engineering excellence, and an “automate everything” mindset. Armed with a Just Do It attitude, passion for constant self improvement, love of information sharing, and diverse backgrounds from Senior Python DevOps Engineer to Telecom Salesman, we are sure to find many topics worth exploring when we chat. **If you and your team love what you do, then I'd love to hear from you!**

Experience

Python Consultant, Red Hat, 03/2023 - Present

Securing and enhancing customers in the financial services industry via RHEL products and internal partnerships.

Systems Development Engineer, Amazon Web Services, 11/2021 - 05/2022

Assisted in the maintenance and improvement of new region and availability zone automations and deployments.

- Developed self deploying, cloud native microservices with Cloud Formation and Cloud Development Kit.
- Established an Extract Transform Load Pipeline/Service for procuring DC build metrics data and insights.
- Maintained services across various public and private compute and networking segmentations.
- Tenure Note: Unfortunately I landed on a fully Australian team with almost no overlap and no mobility options due to Covid and tenure policy. Made the tough decision to prioritize long term personal growth over AWS.

Software Engineer, Itential, 01/2021 - 11/2021

Created features for the network automation platform, enhanced maintainability through careful refactors, expanded software build/test/deploy pipelines, and assisted with proof of concept integrations for customer-facing teams.

- Aligned the end to end customer installation and usability experience, including refactoring major application systems and customer documentation, as well as developing containerized customer facing deployments.
- Leveraged integrations with libraries like Netmiko to increase the number of supported CLI devices by over 60.
- Maintained and optimized dev, build, deployment pipelines (multi-chip, 15 to 4 minutes, 35 to 5 minutes).
- Developed low level networking integrations such as HTTP/REST request abstractions and content syncing via Git.

Systems Architecture and IP Automation Engineer, T-Mobile, 03/2018 - 01/2021

Developed and deployed a wide range of web apps, networking automations, and lab environments for a fast paced automation team with customers ranging from core network infrastructure and datacenters to IP transport and backhaul.

- Created idempotent local cloud bootstrapping and deployment pipelines for the team’s internal Python Network Automation tool site saving 1-2 hours of dev time per deployment (~1 day/wk) and 1-2 days per bootstrapping.
- Partnered with principal and senior network engineers to create multi-vendor networking device reports, audits, security remediations, configuration updates and other items such as self hosted “Playbooks as a Service”.
- Developed and deployed audits, scripts and programs which safely migrated over 2,000 Cisco and ALU clients across BGP route reflector mesh topologies using Python, TextFSM, Netmiko, Ansible and AWX/Tower.

Freelance Web Developer, Self Employed, 07/2017 - 07/2018

Mobile Expert (Corporate Technical Retail Sales), T-Mobile, 06/2013 - 03/2018

Education

Red Hat Certified Systems Administrator (RHCSA v9), Red Hat, 05/2023 - 05/2026

Cisco Certified Network Associate (CCNA Routing/Switching), Cisco Systems Inc, 02/2020 - 02/2023

Bachelor of Computer Science, Western Washington University, 09/2015 - 06/2017

Gained rock solid fundamentals on computing theory, networking paradigms (TCP/IP, RPCs) and practical applications of algorithms and data structures with Java and C programming. Cultivated deep roots in Linux and Shell scripting.

Skills

Programming Languages	Python, Javascript
Software Frameworks	Django, Flask, OpenAPI, Swagger, React
DevOps & Infrastructure As Code	Docker, Ansible, Terraform, Cloud Formation, CDK
Networking & Configuration	Network Automation, Cisco (IOS/NXOS/IOS-XR), Nokia (SROS)
Pipelines	Gitlab CI/CD, AWS' Proprietary Pipelines
Stacks	LAMP, MEAN, Cloud Microservices/SAAS
Databases	MySQL, MongoDB, DynamoDB
Modeling	JSON, YAML, XML, Jinja, Pugjs, TextFSM
Clouds	OpenStack, Google Cloud Platform (GCP), AWS
Linux	RHEL, Fedora, Centos, Ubuntu, Raspbian, Debian