

David Chandler

EMAIL	contact@dechandler.io
GITHUB	https://github.com/dechandler
LINKEDIN	https://linkedin.com/in/dechandler10

Automation Engineer seeking opportunities in server lab management, Linux systems engineering, or further automation engineering

Prefer public sector, but open depending on the company

Searching for hybrid work in the Tacoma/Olympia/Seattle, WA area

Note: my title at Commscope was properly Staff QA Engineer, but that describes my work poorly and causes confusion. not sure if changing this is permissible

I generate this document via a template that creates an ODT file and converts that to a PDF, so I'm not sure how exported as a DOCX will look in MS Office. In case the DOCX formatting makes no sense, the PDF can be found here:

<https://github.com/dechandler/resume/blob/master/resume.pdf>

Technology

Administration

SKILLED	RHEL, Apache, Nginx, OpenSSH, Linux Networking, Iptables, UNIX Permissions, Syncthing
PROFICIENT	Kubernetes, Ubuntu, ElasticSearch, RabbitMQ, Nftables, TCP/IP

Languages, Modules, Tools

SKILLED	Ansible, Terraform, Python, Bash/Shell, Regular Expressions, Awk
PROFICIENT	SQL, Flask, Git(hub), Jenkins

Experience

Commscope	Staff Automation Engineer for Performance QA	Apr 2019 - Feb 2024
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- Automated deployment of highly variable load test environments under a constantly evolving set of requirements, starting in a Linux server lab, moving to AWS EC2 instances, and ending up on EKS (Elastic Kubernetes Service) with other AWS hosted services. This brought test deployment from two weeks when I started to a matter of hours. The bulk of this was done with Ansible, Terraform, Python and Bash
- Took ownership of server lab maintenance, which included documentation of resources, repairing deployment functionality, and working with IT to clean up a compromise, which earned me recognition that came with a bonus
- Collaborated with developers to optimize environment parameters and supporting service configurations to accommodate various deployments of software products

- Load tested software products using a variety of client simulators and data generators to provide performance reports and cost summaries

Rackspace Linux Administrator **Nov 2012 - June 2018**

- Configured, deployed, and maintained RHEL and Ubuntu servers, along with common services — e.g., Apache, MySQL, NFS, Vsftpd, and PHP-FPM
- Implemented secure and sustainable solutions in response to customer requests, often overcoming language and cultural barriers and following up on incomplete information
- Led a development task force, where we addressed technical debt in the tools used by front-line support staff and created a handful of new tools that were sorely needed
- Authored, improved, and maintained tools and automation used by support staff. This includes applications and scripts which interact with internal APIs, log into and perform work on customer servers, query and manipulate databases, web scrape, and parse server logs, command output and network appliance configurations
- Screened and interviewed candidates applying for positions on my team and contributed to the training of new hires

Texas A&M Computing & Information Services

Help Desk Student Technician **Jul 2011 - May 2012**

- Assisted students and faculty with personal machines. Work included cleaning malware infections, assessing and fixing boot problems, recovering data, swapping hardware, and OS reinstalls
- Managed university student accounts and communicated the importance of password security and secrecy

Texas A&M Computing & Information Services

Student Computing Center Student Leader **Jul 2008 - Jul 2011**

- Managed campus computer lab operations, desktop PCs, and large networked printers
- Authored and updated documentation on lab systems and processes
- Served in a student management position and participated in staffing decisions

Home Projects <https://github.com/dechandler>

- Automated configuration of personal infrastructure, using Ansible for managing desktop and server machines, as well as a home router and cloud servers (Fedora, Debian, CentOS)
- Built a home automation system around Home Assistant, which includes off-the-shelf devices and bespoke ESP-based sensors, switches and relays

Certification

CKA (Certified Kubernetes Administrator) **IN PROGRESS**

RHCSA (Red Hat Certified System Administrator) **Oct 2016 (Expired)**

Red Hat Certified Specialist in Ansible Automation **Sep 2018 (Expired)**

AWS Cloud Practitioner

Feb 2019 (Expired)

Education

Texas A&M University

B.S. in Psychology

Graduated May 2012