

Justin Stewart

CONTACT

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<https://justin-stewart.info>

SKILLS

Excellent written and oral communication.

Kubernetes
(EKS, Rancher, Helm, etc)

Linux administration
(Ubuntu & RHEL)

AWS (EC2, EKS, S3, etc)

Python

Networking

CI/CD (GitLab)

Jira & Confluence

Incident management

Splunk

CERTIFICATIONS

Cisco CCNA
(Expired August 2023)
WJW1E1SNBHQ143F

HIGHLIGHTS

Able to handle and approach complex issues with focus and attention to detail.

Adept at learning and implementing new technologies and tooling.

SUMMARY

I am a skilled and experienced IT professional looking to obtain a position within your organization where my technical and interpersonal skills can be utilized to contribute to a successful and effective work environment.

PROFESSIONAL EXPERIENCE

Points (Plusgrade) - *DevOps System Administrator*

Toronto, Ontario — July 2022 - Present

SohoVFX - *Linux System Administrator*

Toronto, Ontario — September 2021 - July 2022

BlackBerry - *Network Operations Center Student (co-op)*

Waterloo, Ontario — May 2021 - August 2021

BlackBerry - *Enterprise Technical Support Analyst Student (co-op)*

Waterloo, Ontario — January 2020 - August 2020

TECHNICAL PROJECTS & ACCOMPLISHMENTS

Points (acquired by Plusgrade Inc.)

- Accelerated legacy infrastructure migrations by building a Python-based continuous deployment tool that automated microservices deployment to Kubernetes via GitLab, Jira, and Argo Rollouts.
- Improved Kubernetes in-cluster logging by replacing Fluentd with Fluent-Bit, reducing memory usage by 50%. Used Lua filters to drop unnecessary logs, cutting Splunk ingestion by about 1 million events per day, which helped with license renewal.
- Led an investigation into timeouts that discovered low connection limits set in some Gunicorn applications (Python). Raising the limits led to a 100% increase in request-per-second processing capacity.
- Led initiative to migrate application(s) from ECS to EKS.
- Wrote ansible scripts to automate provisioning new RKE2-based on-premises Kubernetes clusters.
- Managed our in-cluster Prometheus, Grafana and Alertmanager (Kube-Prometheus-stack) deployments.
- Maintained and improved a Helmfile repository to ensure all cluster configuration was declarative.
- Assisted planning and implementation of hybrid on-premises/EKS cluster infrastructure.
- Led Kubernetes knowledge sharing sessions with Developers so they can design their application to work best with Kubernetes (e.g., endpoints for liveness and readiness probes).

TECHNICAL PROJECTS & ACCOMPLISHMENTS (Cont.)

SohoVFX

- Led the configuration and fine-tuning of auditd and rsyslog for Linux workstations and servers to meet and exceed security baselines set by external auditors.
- Developed an Ansible playbook to automate the migration of Linux workstations to Active Directory from OpenLDAP (i.e., joining the workstations to the domain via SSSD, etc).
- Designed a new remote work strategy and deployment model using Microsoft Intune.
 - Wrote PowerShell scripts deployed with Intune to configure devices (e.g., edit the registry).
- Reduced deployment time by ~50% for 80 new Dell servers by leveraging Dell iDRAC Auto Config and Python.
- Assisted with company migration from OpenLDAP to Azure Active Directory. Some tasks include:
 - Configured MFA and Conditional Access policies in Azure AD to protect cloud applications.
 - Setup a Windows radius server connection to Azure MFA in order to enable MFA for on-prem authentication.

BlackBerry

- Assist engineering teams with monitoring and troubleshooting AWS EKS clusters in a testing environment.
- Troubleshoot/monitor various networking equipment (Cisco, Juniper & Palo Alto).
- Aided and reduced time lost with escalations by preemptively parsing and analyzing data using REGEX, SQL queries and network analysis tools (e.g., wireshark).
- Analyzed and troubleshooted on-premises and cloud-based web applications.
- Troubleshooting and identifying network/application issues including but not limited to web proxies, TLS/SSL encryption, and DNS.
- Developed a Python script to consolidate data from multiple CSVs and produce reports to simplify asset tracking and reduce time spent manually searching through data.