



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)
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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 Unicorn 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 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 troubleshot 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.