**Sxxxx Puxxxx**

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**Profile**

I am an adroit bilingual (English and French) DevOps, Cloud and Platform Engineer and Linux/Unix Systems Engineer, with extensive experience in managing; IaaS, PaaS, SaaS, IaaC and on prem Infrastructures. I have over 5 years’ experience in DevOps; supporting, optimizing and automating critical applications and infrastructure deployments while leveraging resources in AWS and configuring CI/CD pipelines. A certified Red Hat Linux System Administrator with over 4 years’ experience in infrastructure IT – working on Linux6x, 7x, Centos, Ubuntu and oracle Solaris 10/11 servers on premise with a myriad environments.

**TECHNICAL SKILLS:**

**DVCS -** Git

**Git hosting Repositories**

**–** github,bitbucket, gitlab **Languages-** yaml, bash, java, python

**CM-** Ansible **Servers-** Apache, Nginx, Jboss & Tomcat

**Build CI/CD Tools** -Maven, Jenkins **Database**- DynamoDB, Mongodb, MySql

**Bug Tracking Tool** -Jira, salesforce **Monitoring**- Prometheus, Grafana, Dynatrace

**Containerization Tool** -Docker **Code Quality**- SonarQube

**Containerization Management** -Kubernetes **Operating System-** Linux

**IaaC** -Terraform **Artifactory-** Nexus & Docker hub

**AWS Cloud-** EC2, VPC, S3, ELB, EBS, **Log Management**- EFk/ELK, Splunk, Kafta

Auto Scaling, IAM, Route53,

**WORK RELATED EXPERIENCE**

**Senior DevOps Engineer– Dominion Systems**

**January 2019 – Present**

* Managing multi-tier enterprise and web application deployment in Kubernetes leveraging AWS resources.
* Used Terraform and Ansible scripts to provision and configure EKS, VPC, Route53, EC2 instances, etc. in AWS cloud and GCP.
* Assisted on the onboarding and seamless transition of new recruits
* Upgraded VMware Tools during HNAS migration
* Coordinate/assist developers with establishing and applying appropriate branching, labeling/naming conventions.
* Install Apache/Web logic server on Linux server
* Participated in the migration of physical Linux/windows servers to Aws cloud
* Performed the migration of the HNAS and technically supported the project on Linux level
* Introduced and installed dynatrace monitoring tool
* Performed process management like start/stop/kill of various processes
* Installed and Configured the Nexus repository manager for sharing the artifacts within the company.
* Hardened/Secured servers by patching, enforcing SELinux, firewalls and setting up password policies as required by the company.
* Wrote simple bash scripts to upgrade the kernel and patch servers.
* Installed Packages using yum and rpm on various servers.
* Created CI/CD pipelines on Jenkins and setup auto triggers like poll SCM, build periodically and GitHub web-hooks.
* Automated builds and deployments using Jenkins and Docker to reduce human error and speed up production processes
* Installed and configured Grafana to constantly monitor network bandwidth, memory usage, and hard drive status
* Managed GitHub and Dockerhub repositories and permissions, including branching and tagging
* Created and maintained fully automated CI/CD pipelines for code deployment
* Used Jenkins Declarative pipelines to deploy MySQL to Kubernetes Clusters in GCP
* Actively managed, improved, and monitored cloud infrastructure on GCP, AWS Cloud, including backups, patches, and scaling
* Configured and deployed highly available scalable applications on GCP and AWS Cloud using EC2, RDS, S3, ELB, Auto Scaling and monitored these applications with Cloud watch, Grafana and AWS SNS
* Built and deployed Docker containers to break up monolithic app into microservices, improving developer workflow, increasing scalability, and optimizing speed using Kubernetes clusters in GCP and AWS Elastic Container Service
* Used build tools like Maven for building and deploying artifacts such as Jar, war and ear
* Created and maintained documentation and SharePoint on processes in GitHub and procedures for projects activities.
* Monitoring and log management on UNIX, Linux servers, including processes, crash and swap management, and performance tuning.
* Creates and administers User accounts, manages User security, password recovery, aging and complexity.
* Using bash shell scripting to schedule and automate processes including full and incremental backups using tar, crontab, and snapshots; migrating and enlarging file systems on Solaris 10 and Linux.
* Worked with work management tools such as SNOW, atlassian tools (Jira, confluence)
* Experience with user management and Ldap configuration on servers
* Maintain and troubleshoot system performance, running processes, and application issues
* Working in collaboration with different teams to have successful releases almost every month
* Completed compliance trainings and job related seminars

**DevOps Engineer – Dominion Systems**

**March 2017 – January 2019**

* Used GIT & GitHub as SCM tool, created branches, tags and provided access permissions to developers on various branches. Created organizations, repos when needed and granted required access.
* Business intelligence and dashboard reporting
* Written, modified and maintained ansible playbooks and automation scripts
* Recommended and implemented GIT Best practices.
* Automated builds and deployments using Jenkins and Docker to reduce human error and speed up production process
* Created and maintained fully automated CI/CD pipelines for code deployment using Jenkins
* Used Jenkins Declarative pipelines to deploy applications to appropriate targets
* Managed GitHub and Nexus private repositories and permissions.
* Integrated **SonarQube** with Jenkins for continuous inspection of code quality, unit tests and bug tracking.
* Installed web/application Servers (Nginx, Apache, JBoss/Wildfly and Tomcat)
* Configured and deployed highly available, scalable applications on AWS Cloud using EC2, RDS, S3, ELB, and Auto Scaling and monitored these applications with Cloud watch and Prometheus.
* Decoupling monolithic applications into Micro services
* Created pods with the help of kubernetes and deployments into the cluster
* Built and deployed Docker containers to break up monolithic app into micro services, improving developer workflow, increasing scalability, and optimizing speed using kubernetes clusters in GCP and AWS Elastic Container Service (ECS)
* Used Kubernetes to automate the deployment, scaling and operations of application containers across clusters of hosts using replication controllers, services, deployments, labels and sanity health checks.
* Used Docker for containerization and Kubernetes for container orchestration
* Building and configuring Kubernetes Clusters ensuring that nodes/pods can auto scale, communicate with each other and load balance.
* Used Terraform best practices such as Workspaces for different environments, modules for building blocks and terraform import for existing resources to provision our Infrastructure with ease.
* Experience with File systems and system configurations
* Strong experience in enhancing security configuration in Linux, docker and kubernetes
* Performed inventory of servers in the environment

* Participated in the migration of physical Linux/windows servers to Aws cloud
* Identified and troubleshoot network related issues TCP/IP, DHCP, DNS
* Wrote and modified Ansible playbooks to automate servers and to manage Web Applications, Config Files, database and Packages
* Perform backups using commands (tar, gzip and bzip)
* Process Administration and management like monitoring, start/stop/kill various processes/sub processes.
* Installed and Configured the Nexus repository manager for sharing the artifacts within the company.
* Hardened/Secured servers by patching, enforcing SElinux, firewalls and setting up password policies as required by the company.
* Wrote simple bash scripts to upgrade the kernel.
* Installed Packages using YUM and RPM on various servers.
* Wrote and modified ansible playbooks to deploy automated tasks to many servers at once
* Scheduled various regular, periodic, future and queue tasks by using crontab.
* Created CI/CD pipelines on Jenkins and setup auto triggers like poll scm, build periodically and GitHub web-hooks.
* Used build tools like Maven for building and nexus to upload artifacts such as Jar, war and ear files
* Wrote Terraform scripts from scratch for provisioning Dev, staging and prod environments.
* Performing UNIX administration, including changes, disk space management, application installations, and backups.
* Configured files systems using LVM also added Swap space where necessary.
* Created and managed Disk/Partitions in ubuntu, Centos, and RHEL
* Created and Managed File systems, Mount points and RAID Volumes in Unix/Linux

**EDUCATION**

* Udemy AWS Certified Solutions Architect - Associate 2020
* Trios College: Information Technology Professional (Graduate Diploma)

**CERTIFICATIONS**

* RED HAT Certified System Administration (RHCSA)
* Cisco Certified Network Associate - CCNA
* AWS Solutions Architect
* Kubernetes Administrator

**Volunteerism**

* Event planner at Delisle Youth Services 🡪 January 2016 – April 2016
* Student volunteer at St Michael’s hospital 🡪 June 2016 - December 2016
* Volunteer advocate at Oasis Centre des femmes 🡪 May 2017 – December 2017

**LANGUAGES**

* Native and fluent in French
* Native and fluent in English

References available upon request