



A. PREM SOLOMON

DevOps Engineer | Cloud Technologies | Software Engineering

A technology evangelist with over 11 years of prodigious experience in the IT Industry with emphasis on DevOps Engineering, Cloud Technologies, Software Engineering, CI & CD, Infrastructure Automation, and Linux System Administration. Seeking to achieve high career growth through a continuous learning process, persist in being dynamic, visionary, and competitive with changing scenarios of the world, and contribute to the success of the organization.

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WORK EXPERIENCE

DevOps Engineer | Platform Engineer Verizon Data Service India Pvt. Ltd., Chennai

07/2015 - Present

- Spearheading the creation, management, and enhancement of pipelines for deploying, upgrading, rehydrating, and undeploying EKS clusters to ensure efficient and seamless cluster operations.
- Migrating the container runtime from Docker to Containerd and implementing service mesh Istio on the eks environment to ensure better performance, scalability, and security.
- Improving the stability of pipelines for deploying brand-new EKS clusters, ensuring uninterrupted service delivery and quick issue resolution.
- Automating infrastructure deployment using Terraform, CFT, and Ansible, and designing, deploying, and managing Kubernetes clusters for various applications to ensure a seamless DevOps pipeline.
- Configuring, deploying, and managing open-source Kubernetes clusters on AWS, On-prem, and OCI environments to ensure optimal performance and stability. Implementing GitOps methodology using FluxCD for continuous deployment and infrastructure management to ensure a streamlined DevOps pipeline.
- Upgrading open-source/eks Kubernetes clusters to various versions starting from the prep work to ensure they are up to date and secure. Collaborating with developers to troubleshoot issues and provide solutions for application deployment, ensuring smooth operations.
- Creating, configuring, and managing local, remote, and virtual repos on JFrog Artifactory tool and having a solid experience in administering the tool.
- Developing automated solutions using Bash and Python scripts wherever required to increase operational efficiency, maintaining the codebase in GitLab, and developing CICD automated pipeline deployments to the cluster for all environments using Jenkins.
- Supporting the team's DevOps automation capabilities for multiple functions including orchestrating cloud provisioning, configuration management, patching, security, compliance, and backups. Fostering a team of skilled and driven professionals through training initiatives, empowering them to effectively support the business's ambitious transformation goals.

SKILLS

DevOps Engineering

Infrastructure Automation

Linux System Administration

Production Support

Continuous Integration and Continuous Delivery (CI/CD)

Cloud Computing

Team & Stakeholders Management

TECHNICAL SKILLS

Operating Systems:

Redhat Linux

Cloud:

AWS

Scripting:

Bash, Python

Automation Tool:

Ansible, Terraform

Container Orchestration:

Docker, Kubernetes

Source Code Management Tool:

Git, Gitlab

Build Tool:

Jenkins

Monitoring Tool:

Splunk, New relic, Cache point

EDUCATION

Bachelor of Engineering (Electronics and Communication)

College – Anand Institute of Higher technology

05/2011

Percentage – 62%

WORK EXPERIENCE

Production Support Engineer

Solartis Technologies, Chennai

03/2014 - 06/2015

- Administered and managed the development, QA, and production environment for Solartis Technologies by handling technical issues and providing timely resolution of critical production problems to minimize business impact.
- Deployed, configured, and maintained Redhat and Ubuntu systems, while ensuring patch management and file system maintenance, optimizing system performance, and minimizing downtime.
- Installed and configured MySQL on both Linux and Windows servers. Managed Logical Volume Management (LVM) for storage solutions.
- Performed troubleshooting and resolved issues with MySQL 5.0.22 and 5.1.24 in both production and developer environments on Linux.
- Designed and implemented backup and recovery strategies for MySQL databases, as well as replication and synchronization protocols.
- Created detailed documentation for all servers and databases, ensuring efficient knowledge transfer and disaster recovery.
- Developed scripts in Unix shell, Perl, and Python to automate processes and increase efficiency. Provided expert technical support and collaborated with developers to ensure smooth operations across all environments.
- Managed the configuration, deployment, and maintenance of various applications and platforms to ensure optimal performance.
- Conducted root cause analysis for production incidents and provided recommendations to prevent future occurrences.
- Maintained a high level of technical expertise in production systems and technologies to provide expert guidance and support to the team.

Linux Administrator

Naethra Technologies Pvt. Ltd., Chennai

02/2012 - 03/2014

- Worked with Linux operating systems such as Redhat and CentOS to provide exceptional administration support to QA, Pre-prod, and Prod environments.
- Administered Redhat and CentOS boxes on the On-prem environment, ensuring the stability and security of all systems. Responded to support tickets daily, providing assistance to the application team in resolving complex issues.
- Utilized Tivoli and IBM Endpoint Manager tool to deploy infrastructure and weblogic applications, streamlining processes for enhanced efficiency.
- Developed automated solutions using shell and python scripts, significantly reducing manual effort and increasing operational efficiency.
- Monitored autopatch and took corrective action when patch failures occurred, ensuring systems remained secure and up-to-date.
- Conducted regular maintenance and performance tuning of Linux servers to ensure optimal performance and reliability.
- Maintained up-to-date documentation of all system configurations and procedures for reference and training purposes.

PERSONAL ATTRIBUTES

Impeccable Analytical skills

Intellectual Curiosity

Innate Problem-solver

Resilience and Persistence

KEY STRENGTHS

Domain Expertise:

A DevOps Engineer with an in-depth understanding of the intricacies of architecting, automating and optimizing deployments over a large infrastructure. Possess an unparalleled skillset in creating Infrastructure (AWS) using Terraform and deploying applications onto Kubernetes both on-prem and in the cloud. Extensive experience in cloud management, process enhancement and system administration to orchestrate and optimize cloud-based infrastructure, especially on Amazon Web Services (AWS) with remarkable proficiency.

Stakeholder Management:

Adept at managing different internal and external stakeholders, providing them with valuable insights and ensuring effective communication. Possess an unparalleled ability to troubleshoot issues and initiate corrective actions with ease, ensuring that all aspects of the infrastructure are functioning optimally.

Continuous Learning:

A knowledgeable leader with an enthusiasm to upgrade skills through undergoing in-house training programs, interacting with industry professionals and attending certification courses from reputed institutes to understand the industry trends and bring back the best practices to the organization.

CERTIFICATES

Cisco certified Network Associate (CCNA)
(Sansbound, Chennai).

ID-CSC012070310

Hashicorp Certified Terraform Associate.

Redhat Certified System Administrator (RHCSA)

Certificate Number : 130-169-469

Redhat Certified Engineer (RHCE)

Certificate Number : 130-169-469

Redhat Certified Openstack Administrator (CL210)

Redhat Certified CloudForms Hybrid Cloud
Management (CL220)

Redhat Certified in Ansible Automation (EX407)

Certified Kubernetes Administration (CKA)

Certificate Number: CKA-2000-005202-0100

Certified Kubernetes Security Specialist (CKS)

Certificate Number: CKS-LF-zxbbc0we7

LANGUAGES

English

Full Professional Proficiency

Tamil

Full Professional Proficiency