Samuel Thomas

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# Current Organization: Altimetrik India Pvt.Ltd

# Career Objectives

To work on challenging assignments in a progressive organization that would leverage my technical experience to the fullest potential and align my growth with the growth of the Organization.

# Career Summary

Having 3.5 years of experience as **AWS Devops Engineer** in supporting, automating, and optimizing mission critical deployments in AWS, leveraging configuration management, CI/CD, and DevOps processes. Implementing cloud strategy in various environments.

# Professional Experience

# Current Organization: Altimetrik India Pvt.Ltd

# Duration of Work: Jan 2022 – Till now

# Designation: Staff Engineer – Devops and Cloud Engineering

# Project: Novartis

* New joiner and was in the discussion of ETL migration from EC2 to EKS environment and setting up the CICD pipelines.

# Organization: Cognizant Technology Solutions India Pvt.Ltd

# Duration of Work: March 2015 – January 2022

# Designation: Tech Lead

* Excellent skills in applying Continuous Integration and Continuous Delivery.
* Excellent skills in applying Continuous Integration, Continuous Deployment and Continuous Delivery processes & tools [ Example: Git, Maven, Jenkins, Apache Tomcat, Docker, Kubernetes etc.].
* Worked on Jenkins by installing, configuring and maintaining for the purpose of continuous integration (CI) and for End to End automation for all build and deployments.
* Having knowledge in Python.
* Used Ansible for Configuration Management.
* Used Terraform for infrastructure creation.
* Managed GitHub repositories and permissions, including branching and tagging.
* Excellent working knowledge on various virtual systems/ like Docker & K8 technologies.
* Containerizing applications with Docker. Responsible for managing the Docker private registry and having good knowledge of maintaining cluster using Kubernetes.
* Having Good experience in Amazon Web Services environment and good knowledge of AWS services like Elastic Compute Cloud (EC2), Elastic Load Balancers, IAM, S3, Cloud Front, VPC, Route53, Cloud watch.
* Mainly Concentrated on : EC2 (ELB, AUTO SCALING, EBS), VPC, IAM
* Utilized Cloud Watch to monitor resources such as EC2, CPU memory, EBS volumes; to set alarms for notification or automated actions; and to monitor logs for a better understanding and operation of the system.
* Actively manage, improve, and monitor cloud infrastructure on AWS, EC2 including backups, patches, and scaling.
* Worked at optimizing volumes and EC2 instances and created multiple VPC’S
* Implementation of NAT gateways for web apps hosted in private subnets.
* Setup and configured EIP to EC2 instances
* Created Alarms and notifications for EC2 instances using Cloud Watch.
* Designing and Deploying Highly scalable infrastructure using ELB and Auto Scaling services.
* Setup and managed security groups, VPC specific to environment.
* Creating S3 buckets and also managing policies for S3 buckets and Utilized S3 bucket and Glacier for storage and backup on AWS.
* Created AMI images of critical ec2 instances as backup
* Attaching or Detaching EBS volume to AWS EC2 instance.
* Utilize EBS to store persistent data and mitigate failure by using snapshot.
* Knowledge of how to configure and managing S3 storage.

**On premises\physical Data Center- Offsite Monitoring and Support**

* Weekly/monthly physical inspection, to check for amber lights, HDD, memory alert indications and other devices such as network/storage/tape drives
* Weekly/monthly physical inspection to update device labels such as servers, rack elevations
* Weekly/monthly physical inspection to check Temperature/humidity/ and best DC housekeeping practices.

**DC Maintenance Support**

* Hardware replacement Due to failures/ upgrade requirement such as disk drives, PDUs, motherboards, DIMMs, cache battery, network cabling, cpu’s
* Power cycle of devices such as servers, network devices
* Rack and stack operations- Install devices such as chassis, Modems, Drives, Network devices, Servers, SAN, NAS, ILO and DRAC devices
* Hardware decommissioning-such as Server, chassis, Modems, Drives, Network SAN, NAS devices
* Hardware movement- Moving hardware from one location to other or moving around the same location such as servers, Hard drives, Network gear, Storage devices.
* Firmware upgrades- Supporting firmware upgrade for components such as hard disk.
* Hardware shipping- Sending hardware such as Disk drives, Power supply, Rack rails, Mother Boards to remote sites for reutilizing assets.
* Support DC migration and consolidation activity across all regions
* Co-ordinate with vendors such as remote hands, facility team, Hardware support teams to do regular data center operation tasks.
* Work with vendor to order new part replacement and process PO

**Inventory Management and Documentation**

* Updating device labels- such as rack elevation, Servers, Network devices, Storage, PDU, Copper, Fiber, Power cords.
* Updating device attributes in ServiceNow, confluence post change implementation
* Update site contact details in confluence
* Create new SOP documents as needed in confluence
* Creating SOP for standard change implementation

# Skill Set

**Cloud Technologies:** AWS (Amazon web services) EC2, VPC, IAM, S3, Cloud Front, Cloud Trail, EBS, EFS, KMS.

**Devops Technologies:** Jenkins, Ansible, Docker, Kubernetes, GIT, Python, Terraform, Prometheus, Grafana, Monza.

# Project:

* Have worked in the **VM (OS Level) migration and On- Premises server migration** to AWS Cloud.

# Organization: Nodway Solutions

# Duration of Work: May 2011 – Mar 2015

# Designation: Senior Analyst

# Global Account Provisioning

* Products used: Active Directory, Citrix, Remedy, SAP, Service Now, Mainframe Applications
* End User provisioning and Application Support.
* Windows Active Directory Administration
* User provisioning and setting up of operational roles for end users.
* Managing File/Folders and Profiles in Windows Server Environment.
* Google Apps and Exchange mailbox support.
* Understanding Retail IT operations and IT demands from client’s business perspective.
* Handling team reports and Client deliveries.
* Request & Incident follow up, analysis and feedbacks to team members.
* Interaction with Clients and Technical Support teams in bringing about process changes.
* Floor Support and supporting fellow team members in handling their deliverables.
* Technical and Process Trainings for team members.
* Access to VMwares, HipChat, Team Email Distro (DL), and Avaya for support requirements
* Introduced to Jira, Agile Jira, Bitbucket, Confluence, AdobeSign, Insight.
* Providing team meeting access via Polycomm.

# Education

**Graduation:** Bsc (Computer Science) from University Of Madras in 2011.

**HSC:** Completed in 2008

**SSC:** Completed in 2006