

**SaiVarun**

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**Available: Immediately Available**

**Profile**

* + Having 3.0 years of experience on Devops engineering and Linux and knowledge on all Aws services.
  + **Certified in AWS-Solution Architect Associate(** Validation Number D80SG6JC11F4QSSQ**).**
  + **Axway-CFT Certified.**
  + Hands-on experience in the design and implementation of fully automated ContinuousIntegration,Delivery and Deployment pipelines and devops processes.
  + Experience in build and deployments for Monolithic as well as Microservice oriented applications
  + Creating fully automated CI build and deployment infrastructure and processes using Jenkins, Docker, Kubernetes, Chef, Ansible & SVN.
  + Developing Docker images to support Development and Testing Teams and their pipelines.
  + Having experience on SonarQube for continuous inspection of code quality to perform automatic reviews with static analysis of code to detect bugs, code smells, and security vulnerabilities.
  + Troubleshoot & resolve issues related to Kubernetes deployments.
  + Used Jenkins and pipelines to drive all micro services builds out to the Docker registry and then deployed to Kubernetes, Created Pods and managed using Kubernetes.
  + Configure Centralized logging for all the microservices to enable easier accessibility of the application logs.
  + Installed, Configured, Managed Jenkins CI Automation. Implemented master-slave architecture using Jenkins.
  + Define roll back strategy in case of production deployment failure.
  + Proficient in AWS services like VPC, EC2, S3, ELB, AutoScalingGroups(ASG), EBS, IAM, RDS, ECS,EC2,Route 53, Cloud Watch.
  + Experience in designing, deploying and operating highly available, scalable and fault tolerant systems using Amazon Web Services (AWS).
  + Hands on experience on CloudFrontand Cloudtrailand CloudFormationtemplates, Cloudwatch.
  + Backup and restore of EC2 instances using EBS snapshot.
  + Good knowledge in creating and launching EC2 instances using AMI’s of Linux, Ubuntu, RHEL, and Windows.
  + Experienced in S3 Versioning and lifecycle policies to backup & archive files in Glacier.
  + Created various documents for build and deployment process.
  + Maintaining, branching and tagging the versions across the environments using SCM tool like Subversion (SVN).
  + Hands on experience in GIT and GitHub.
  + Deployed Applications into PROD & Pre-Prod environments with various Application server technologies like Apache Tomcat.
  + Experience working on Docker, creating Docker images and handling multiple images.
  + Experience working on several Docker components like Docker Engine, Hub, Machine, and Docker Registry.
  + Monitor the UAT/Production Environments for any down time issues by performing regular Cron-job updates in servers.
  + Experience modifying Shell scripts to automate the deployments.
  + Hands on experience in creating PV, PVC for consuming volume storage in pod level.
  + Creating secret files to hold the sensitive information like password’s, auth-tokens for particular micro services.
  + Ability to diagnose and fix build, deployment issues. Scripting and automating day-to-day operational tasks
  + Ability to work well as a part of a team and as an individual.
  + Zeal to learn new techniques and methodologies.

**Skills**

**Domain:** Banking and Financial services, Medical Services, Consumer goods Services Web Applications, AWS, Devops.

**OS**: Linux/Unix, Windows, Ubuntu, Red Hat Satellite, CentOS.

**Devops/Automation/Build Tools**: Jenkins, Docker, Kubernetes, Ansible, Nexus, Maven ,ElasticSearch, Logstash ,kibana, Tensor flow, chef, Kafka.

**Web and Application Servers**: Apache 2.x, Apache Tomcat 6.x,7.x.

**Version Control Systems**: Subversion (SVN), GIT, BitBucket. GITLab.

**Network/Infrastructure**: DNS, DHCP. NFS.

**Technologies**: Devops, Linux, AWS.

**Languages**: Java,Shell Scripting, SQL, Python (Beginner)

**Tracking tool**: CA, JIRA.

**AWS:** Elastic Bean stalk, S3, API Gateway, Lambda, Cloud Watch, Certificate Manager, IAM Roles, ECR, ECS, EMR.

**Ticket Management Tool**: BMC Remedy, HP-ALM, JIRA, Service Now, SCSM

**Certified in AWS-Solution Architect Associate**

**Career Summary**

Senior Systems Engineer at **Infosys Ltd** from **Dec'16 to** Till Date

Intern at **Infosys Ltd** from **Jan'16 to May'16**

**Qualifications/Achievements**

Masters in Computer Science and Software Engineering

**Assignment History**

**Role** **Devops Engineer**

**Project** - Distributed Logging System

**Client** - PnG

**Description** Distributed logging System (Devops-Project) is the web-based application used by the PnG. Using ELK Stack.

**Responsibilities:**

* Developed APIs and patterns using regular expressions for parsing logs using Logstash.
* Created visualizations in Kibana.
* Developed configurations for Multinode Elasticsearch cluster.
* Deployed in Microsoft Azure
* Implementing the new message retry mechanism using Kafka in the event of any failure in downstream.
* Implemented REST Micro services using spring boot.
* Implementing Cron Job Expression for triggering the job as per scheduled job Runner.

Environment: Linux, Maven, ElasticSearch, Logstash, Kibana, Kafka, Web services.

**Role** -Senior **Systems Engineer**

**Project** - ENV: Deployment Support

**Client** - Coca-Cola(World’s Leading Beverages Company)

**Description** -**Control-M Workload Automation (CTM)**

 The Control-M Configuration Manager (CCM) is a GUI application that enables you to administer, manage, monitor, configure, and maintain all Control-M components, as well as defining security settings and user authorizations.

**Responsibilities:**

* Worked on Integration of Applications for File Transfer Purpose and Administration of Applications by providing access and other Support Works.
* Worked on Job Scheduling, Creation and other Activities.
* Worked on Incident Management and other Support Activities in Service Now.
* Worked on Migration Activities.
* Hands on experience in **SVN** version control, Apache subversion SVN Administration automation and management experience.
* Scheduling the jobs, creating new Jobs as per the customer’s requirements.
* Problem Management.
* Handling Customer Issues(Incident Management)
* Handling service requests.
* Professional Development: Detailed Operations Monitoring Tasks, Actioning, the customers’ requests and scheduling the jobs to run as per the request.
* Creating the job dependencies and prerequisites to run a particular job.
* Carrying out Temporary/Permanent Changes.
* Perform Weekly maintenance tasks: Check database & site server available space; monitor weekly automated tasks are running as scheduled; Delete unnecessary files & Jobs.
* Reporting: Run and deliver on Weekly/Monthly Basis; Create custom reports for management as needed.
* Patching activities for both PROD and Pre-Prod environment using various tools for different Roles & different data centers from three regions.
* Manual patching for few Roles like Infra Roles &Middle Tier Patching.
* Imaging of new servers including 2016.
* Preparing Inventory for various requirements.
* Decommissioning the Servers (end to end).
* Infrastructure capacity monitoring & reporting.
* Service Load Balancing Task: Traffic, Data, Users.
* Participating in daily/weekly team meetings & providing status as appropriate.
* Monthly service reviews covering KPIS, Project Status, Risk management, Completed tasks & SLA’s.
* Trained new resources for the team to enhance the productivity.
* Participated in retrospective meetings to share the knowledge and experience with the team.

**Role** -**Senior** **Systems Engineer**

**Project** - IAAS Implementation

**Client** - Medtronics

**Description** -Medtronics applications comprises of various engines. To function all the engines, it is required

them to be up to date with latest code changes and various rules and regulations for various regulatory.

Changes are done by development team, these changes are then pushed forward to be deployed in AWS &

Various environments for testing and finally in Production.

**Responsibilities:**

* Experience in setting up the Application Environment build from scratch .
* Implemented API Gateway and Lambda Functions in AWS.
* Worked on deployment of application on AWS Elastic Bean stalk and installing SSL Certificates.
* Responsible for installing, configuring and maintaining the Linux Instances & Windows Instances.
* Maintain source code using **GIT** version control.
* Working experience on Continuous integration tools like Jenkins/Hudson. Hands on experience in automating build process using **JENKINS** Tool.
* Nightly Builds and Test Setup using Jenkins.
* Created Docker-Compose files for kakfa & Zookeeper.
* Created Cloudwatch alarms and alerts for all the services in cloudwatch.
* Configured Events and alarms for infrastructure changes such as auto-scaling,instance crash etc.
* Developed Automation scripts for start-up of tasks definition in ECS.
* Created and deployed Serving master in Tensorflow on AWS.
* Created Pipelines in Jenkins for running Auomated Tasks.
* Created EMR Clusters and also jobs in EMR.
* Created ECS Clusters.
* Created and Configured Git & GitLab and also Created respositories.
* Used Jenkins and pipelines to drive all micro services builds out to the Docker registry and then deployed to Kubernetes, Created Pods and managed using Kubernetes.
* Configure Centralized logging for all the microservices to enable easier accessibility of the application logs.
* Installed, Configured, Managed Jenkins CI Automation. Implemented master-slave architecture using Jenkins.
* Define roll back strategy in case of production deployment failure.
* Proficient in AWS services like VPC, EC2, S3, ELB, AutoScalingGroups(ASG), EBS, IAM, RDS, Route 53, Cloud Watch.
* Experience in designing, deploying and operating highly available, scalable and fault tolerant systems using Amazon Web Services (AWS).
* Hands on experience on CloudFrontand Cloudtrailand CloudFormationtemplates.
* Backup and restore of EC2 instances using EBS snapshot.
* Created Pipelines through Jenkins and configured with ECR in AWS.
* Implemented Event Metrics for the Instances.
* Created Automated Scripts for Start and Stop of Instances using Lambda Function.

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**Reference available on request**