

ARUN KUMAR S

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Career Objective

DevOps Engineer with 6+ years of hands-on experience in the IT sector with extended expertise in Administration, Build/release Management and playing a significant role in automating environment deployment with immersion of Cloud platform and Microservices.

Organizational Experience

- **Wabtec Corporation**
Build and Release Engineer
March 2020 - Till date
 - **DXC Technology**
Professional 1 Service Delivery Coordinator
May 2019 – March 2020
 - **Accenture Solutions private Limited**
Cloud Ops Administration Senior Analyst
Dec 2015 – May 2019
 - **Avvas Infotech Private Limited**
Linux system Engineer
Client: Accenture Solutions Private Limited
Jun 2014 – Dec 2015
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Certifications

- AWS Certified solutions architect- Associate
 - Red Hat Certified System Administrator (RHCSA)
 - Red Hat Certified Engineer (RHCE)
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Environment: Amazon Web Services, Artifactory, IAM, S3, EBS, Cloud Watch, JSON, Docker, GitHub, Kubernetes, EKS, Jenkins, Rally, Ansible, RDS, ALB, NLB, Cassandra, Redis, Elasticsearch, Data Dog, Docker Swarm, SonarQube, Checkmarx, Linux, Python.

Responsibilities

- Taking ownership on branching strategies and repository management.
- Being primary POC for the complete environment migration activity which includes Database's, EC2's, Load Balancer's, and other infrastructure CIs.
- Expertise on CI/CD deployments for various applications.
- Involved in setting up Jenkins Master and multiple slaves for the entire team as a CI tool as part of Continuous Integration and deployment process.
- Extensively worked on Jenkins to implement continuous integration (CI) and Continuous deployment (CD) processes.
- Resolved various runtime and databases related issues on orchestration environment.
- Incorporated the checkmarx and SonarQube tools to check the code and identify the security vulnerability.
- Expertise in Amazon AWS Cloud Administration which includes services like: EC2, S3, EBS, VPC, ELB, AMI, RDS, IAM, Security Groups, Route 53, Auto scaling, Cloud Watch, Cloud Trail, Cloud Front, WAF.
- Created and configured ALB, NLB and auto scaling groups to distribute the traffic in AWS
- Configured S3 buckets with various life cycle policies to archive the infrequently accessed data to storage classes based on requirement.
- Implemented domain name service (DNS) through route 53 to have highly available and scalable applications.
- Experienced in creating multiple VPC's and public, private subnets as per requirement and distributed them as groups into various availability zones of the VPC.
- Actively involved in configuring Ingress controller and HAProxy.
- Experience in installing packages, services, configuration deployment through ansible modules and roles.
- Expertise on Ansible as Configuration management tool to automate the repetitive tasks and proactively manages changes.
- Used Jenkins pipelines to drive all micro services builds out to the Docker registry and then deployed to Kubernetes, Created Pods and managed using Kubernetes.
- Deployed application which is containerized using Docker onto a Kubernetes cluster which is managed by Amazon Elastic Container Service for Kubernetes (EKS).
- Created Clusters using Kubernetes and worked on creating many pods, daemon set, replica sets, services, deployments, labels, health checks and ingress.
- Created a Continuous Delivery process to include support building of Docker Images and publish into a private repository- Gitlab.
- Awareness of software development lifecycle processes and working in Agile model using the integrated tool – Rally software.
- Created Docker file and docker-compose file templates to deploy images in docker containers managed by Docker Swarm.
- Created DataDog alerts for various applications and monitored real-time and historical metrics.
- Experienced in tagging and maintaining the version across the Environments using GitHub
- Good Knowledge on RabbitMQ and Kafka.
- Having basic troubleshooting knowledge on Databases like Cassandra, PostgreSQL, Redis and Elasticsearch.
- Knowledge on Terraform.
- Monitored System Activities like CPU, Memory, Disk and Swap space usage to avoid any performance issues.
- Expertise in LVM, User administrations, Package & Patch management, NFS, CRON, file management.