



M.S. Arun

DevOps Engineer

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CAREER SUMMARY

Competent IT Specialist with 7+ years of experience working as Senior DevOps Engineer and Cloud Infrastructure Engineer. Deep experience with Jenkins Pipelines, Docker, Kubernetes, Shell scripting and helping organizations instill DevOps for the modern age.



PROFESSIONAL EXPERIENCE

DevOps Engineer → Senior DevOps Engineer

- Working closely with the development and operations organizations to implement the necessary tools and process to support the automation of builds, deployments, testing on integrating **DevOps methodology** into the development and operations lifecycles.
- Experience working in an **Agile process development** environment.
- Configuring and automating the entire **CI/CD** build process pipeline involving **Jenkins** from **GitHub** commit to deployment.
- Extensively worked on **Terraform (IAC Infrastructure as Code)** and created several modules for **AWS** resources deployment and played a major role in **Data Center (DC) migration** (VMs, NFS, Database, etc) into **AWS Cloud**.
- Strong working knowledge of Amazon Web Services and the associated resources and tools, Managing AWS infrastructure including **VPC, Networking, EKS, RDS, S3, EFS, IAM** User - Roles and Policies.
- Experience on container management tools like **Docker** and used to manage clusters of nodes using **Kubernetes**. Also worked on **helm** deployments.
- Setup monitoring on AWS for **Lambda**, Containers in **ECS** and **EKS** and VM using Amazon **CloudWatch** container insights, Amazon Managed Prometheus and **Grafana**.
- Experience in developing scripts using **RESTful API** models for the purposes of integrating workflows with AWS.
- Experience with **firewalls**, VPN, routing, switching, load balancer, monitoring, security, and **DNS**.
- Successful in Cost optimization and Industrial best practices implementation in **AWS Cloud**.
- Strong **analytical and critical thinking** skills and able to predict the issue and find the root cause of a given application system.
- Knowledge sharing** and mentored junior team members on DevOps best practices and the community to help them grow. R&D over new tools and documenting it.

Jan 2020
Present

📍 Microfocus
(Bengaluru,
Karnataka, India)

PROGRAMMING SKILLS

- Bash / Shell Scripting [Advance]
- Python [Intermediate]

CLOUD MANAGEMENT

- Amazon Web Services (AWS) [Advance]
- Microsoft Azure (AZ) [Intermediate]
- Google Cloud (GCP) [Basics]

AUTOMATION / DEVOPS TOOLS

- Docker [Advance]
- Kubernetes / AWS EKS [Advance]
- GitHub [Advance]
- Jenkins CI/CD [Advance]
- Terraform / Terragrunt [Advance]
- Helm [Intermediate]
- Ansible [Intermediate]
- Nginx [Intermediate]
- JBake Artifactory [Intermediate]

MONITORING TOOLS

- Grafana [Intermediate]
- Prometheus [Intermediate]
- AWS CloudWatch [Intermediate]

OS / VIRTUALIZATION

- Linux OS (RHEL, Ubuntu, Centos) [Advance]
- Windows [Advance]
- VMware [Intermediate]
- Oracle VirtualBox

NETWORKING

- OSI TCP/IP, Subnetting, DNS, Load Balancer, CDN

DATABASE

- PostgreSQL [Intermediate]
- Oracle DB [Basics]
- MongoDB [Basics]

AUTOMATIONS

- AWS SSM - EC2 End to End Patching.
- Versioning, Packaging of builds in CI/CD Jenkins.
- AD Integration with windows for Linux OS.
- GitHub Pre-hooks - Commit Message Validation.
- All-in-One DevOps Build Tools - Docker Container.
- AWS Autoscaling (ASG) for Bastion Hosts.

CERTIFICATIONS

- AWS Certified Solutions Architect Associate (SAA-C01) (CX68P1XC3MQEQ799)
- Microsoft Certified: Azure Fundamentals AZ-900

AREA OF INTEREST

- DevSecOps
- MLOps
- Platform Engineering
- Internet of Things (IoT)
- Automation Architect

Systems Engineer Trainee → Senior Systems Engineer → Technical Lead

- Ensure high availability of Production and Development systems based on **AWS - EC2**.
- Designing branching strategies for Continuous Integration in **Jenkins Pipelines**.
- Worked on **Groovy scripts** and shared library setup in Jenkins and reduced code re-usage.
- Implemented best practices for securing **Container-based Applications** during, build, deployment and runtime using different tools.
- In-depth knowledge of CI/CD pipeline (**Jenkins, GitLab CI**) and configuration management tools (**Ansible**), keeping systems running in a smooth, clean, and robust manner.
- Automated infrastructure provisioning and management using Ansible and shell scripting, resulting in **50% reduction** in time spent on manual tasks.
- Creation of **Change Management** requests for any change or fix on Production Environments.
- Providing **L3** Support for production outages related to Linux virtual instance & cloud instances.
- Prepared the KT documents and provided the **technical KT sessions** to teams on regular basis.
- Solid experience and hands-on experience, responsible for installation, configuration, management, and maintenance for around **2k+** Linux servers (**RHEL / OEL / CentOS / Ubuntu**).
- Managed and resolving Incident, Change, and Capacity management requests. Worked in a 24x7 on call rotation to support **Critical Production Environments**.
- Automated various Installation of Application software in Linux environment through scripts (**Unix shell scripting**) and **Python** resolving issues with installation and pre-requisites software.
- Excellent troubleshooting skills in Networks, Firewalls.
- Linux OS Template Creations (RHEL/CentOS/OEL/Ubuntu) with Security Patching for **VMware vSphere** for cloud deployments.
- Prepared the KT documents and provided the **Technical KT sessions to teams** on regular basis.

Feb 2016
Jan 2020

📍 Cognizant
(Coimbatore,
Tamilnadu,
India)



EDUCATION

B.E - Bachelor of Engineering in Electronics & Communication Engineering (ECE)

Anna University, Sri Shakthi University
Coimbatore.

📅 2011 - 2015
70%



COMMUNITY CONTRIBUTIONS

- Encouraged curiosity, exploration on Technologies to children's developmental levels.
- Regular participant on the Stack Overflow Q&A Site.
- Making the world a better place by contributing to Google Maps.



AWARDS & ACHIEVEMENTS

- Sole handed Jenkins Migration for multiple projects and completed before time and appreciated by **VP**.
- My Individual Contribution through Automation effectively saved around **\$26,145** for US Client (2018).
- Won "**BEST NEWCOMER**" Award in Cognizant and Recognized as "**BEST ASSOCIATE**" of entire DCS Operations for consecutive years 2018 and 2019.
- Participated and won prizes in CIS Football (2016).