M.S. Arun

Cloud DevOps Engineer

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CAREER SUMMARY

Experienced IT Specialist with over 7+ years of expertise as a Senior Cloud DevOps Engineer. Possesses extensive knowledge in Jenkins Pipelines, Docker, Kubernetes, and Shell scripting, and has a track record of successfully implementing DevOps practices to drive modernization within organizations.

PROFESSIONAL EXPERIENCE

DevOps Engineer → Senior DevOps Engineer

Jan 2020 – Present
📍 Microfocus / OpenText (Bengaluru, Karnataka, India)

- Collaborated with development and QA teams to **streamline the release process** and automate essential tools and processes, enabling seamless integration of **DevOps practices** into development and operations lifecycles.
- Successfully operated in an **Agile development** environment, ensuring efficient and iterative project delivery.
- Orchestrated end-to-end **CI/CD pipelines** using **Jenkins**, integrating with **GitHub**, and enabling streamlined build, deployment, and testing processes, thus resulting in a **30%** reduction in deployment time.
- Developed a **Lambda Python script** to achieve a significant **60% cost reduction** in AWS by automating **EC2 power management** for Jenkins CI builds, while also implementing industry best practices within the AWS Cloud environment.
- Led Datacenter (DC) migration efforts, playing a pivotal role in deploying AWS resources through **Terraform** modules, encompassing VMs, **NFS, and databases**.
- Proficiently managed **Amazon Web Services (AWS)**, including VPC, Networking, EKS, RDS, S3, EFS, IAM User-Roles, and Policies.
- Demonstrated expertise in container management, utilizing **Docker** and **Kubernetes** for efficient cluster node management and **helm deployments**.
- Implemented comprehensive monitoring solutions on AWS, leveraging Amazon **CloudWatch** container insights, **Prometheus**, and **Grafana** for Lambda, ECS, EKS, and VM monitoring.
- Exhibited a deep understanding of **firewalls, VPN, routing, switching, load balancer, monitoring, security, and DNS**.
- Implemented monitoring and alerting solutions, reducing downtime by **20% and improving system reliability**.
- Utilized **strong analytical and critical thinking skills** to predict and resolve application system issues at their root cause.
- Facilitated knowledge-sharing sessions, **mentored junior team members** and workshops to enhance the team's understanding of DevOps **best practices**, and automation tools.
- Provided **technical assistance and guidance** during complex problem-solving situations, helping junior resources gain confidence in their abilities.
- **Excellent communication and interpersonal skills**, fostering effective teamwork collaboration.

Systems Engineer Trainee → Senior Systems Engineer → Technical Lead

Feb 2016 – Jan 2020
📍 Cognizant (Coimbatore, Tamil Nadu, India)

- Ensured **high availability of AWS EC2**-based Production and Development systems.
- Designed effective Git branching strategies for Jenkins Pipelines for Continuous Integration.
- Implemented **Groovy scripts and shared library** setup in Jenkins, optimizing code reusability.
- Proficient in **CI/CD pipeline management (Jenkins, GitLab CI)** and configuration management with Ansible, ensuring smooth system execution and reduced manual intervention by 60%.
- Automated infrastructure provisioning and management using **Ansible and shell scripting**, achieving a remarkable **70% reduction in manual tasks**.
- Generated **Change Management** requests for production environment changes and fixes.
- Implemented **robust security practices for Container-based Applications** at build, deployment, and runtime stages, leveraging various tools.
- Demonstrated hands-on experience in installation, configuration, and maintenance of over **2k+ Linux servers** (**RHEL / OEL / CentOS / Ubuntu**).
- Managed **Incident, Change, and Capacity management requests**, participating in a 24x7 on-call rotation for critical production environments.
- Created Linux OS Templates (RHEL/CentOS/OEL/Ubuntu) with **Security Patching** for VMware vSphere cloud deployments.
- Prepared comprehensive KT documents and delivered regular **Technical KT sessions to teams**.

EDUCATION

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

Anna University, Sri Shakthi Institute of Engineering and Technology, Coimbatore, TN, India.

2011 – 2015
6.96/10 - CGPA

COMMUNITY CONTRIBUTIONS

- Volunteered at local coding workshops, teaching coding fundamentals to underprivileged youth.
- Regular participant on the Stack Overflow Q&A Site – [Profile Link]
- Contributing valuable reviews, ratings, and photos to Google Maps, helping users discover and navigate local places effectively – [Profile Link]
- Organized and led a charity event for a non-profit organization, raising funds for a cause.

AWARDS & ACHIEVEMENTS

- Single-handedly executed Jenkins migration for multiple projects, completing the task ahead of schedule, which garnered appreciation from the **VP** (2021 - 2022).
- My Individual Contribution through Automation effectively saved around **$26,145** for US Client (2018).
- Achieved the "**BEST NEWCOMER**" Award at Cognizant and earned recognition as the "**BEST ASSOCIATE**" in the entire DCS Operations for **two consecutive years** in 2018 and 2019.
- Participated and won prizes in CIS Football (2016).

PROGRAMMING SKILLS

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

CLOUD MANAGEMENT

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

DEVOPS TOOLS

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

MONITORING TOOLS

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

OS / VIRTUALIZATION

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

NETWORKING

- OSI TCP/IP, Subnetting, DNS, Load Balancer, CDN.
- TCP Dump, Wireshark.

DATABASE

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

KEY AUTOMATIONS

- AWS EC2 Power Automation Tool.
- AWS SSM - EC2 End to End OS Patch Tool.
- Developed various Terraform generic modules.
- Versioning, Packaging of builds for CI/CD Jenkins.
- GitHub Pre-hooks - Commit Message Validation.
- All-in-One DevOps Build Tools - Docker Container.
- AWS Autoscaling (ASG) for Bastion Hosts.
- Ansible Automation as Dynamic Build Pod with multi-region support to Patch Linux VMs.
- AD Integration with windows for Linux OS.

CERTIFICATIONS

- AWS Certified Solutions Architect Associate (SAA-C01) (CX68P1XC3MQEQ799)
- Microsoft Certified: Azure Fundamentals
- Certified Kubernetes Administrator (CKA) (LF-h9xch35pao)

AREA OF INTEREST

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