

ANJANI KUMAR MUTHYALA

Senior Consultant - DevOps

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SUMMARY

Dynamic DevOps & Platform Engineer specializing in dependable CI/CD delivery, optimized AWS/Kubernetes infrastructure, and scalable automation. Skilled in container orchestration, observability, IaC, and configuration governance to reduce release risk and improve recovery metrics. Currently advancing Agentic AI for autonomous planning, validation, remediation, and compliance acceleration. Committed to continuous improvement, cross-team enablement, and operational excellence.

IT SKILLS

AI Services: AWS BedRock, LangFlow, Gemini

Cloud Platforms: AWS, GCP

Monitoring: ElasticSearch, Nagios, SumoLogic.

Web Servers: Apache, NGINX, IBM WebSphere

Other Tools: Active Directory, Portus, Maven, Git, SonarQube, Nexus, Jira.

Languages: Python, Shell Scripting, Core Java, HTML

CI & CD Tools: Ansible, Chef, Jenkins, Spinnaker, SwiftStack, Terraform

Database: PostgreSQL, MySQL, IBM DB2

Operating Systems: RHEL, IBM AIX, HP UX, IBM AS 400, Windows R2

Virtualization: VMWare, Microsoft Hyper-V, VIOS, AWS, Docker, Kubernetes.

PROFESSIONAL EXPERIENCE

Senior DevOps Engineer | Verizon

03/2019 - Current

- Designed Agentic AI workflow on AWS (Bedrock + orchestration) to optimize EC2/ASG/EKS/EBS rehydration scheduling and execution.
- Built a GenAI SRE assistant with RAG over process, tooling, and operational runbooks to generate compliant YAML and remediation guidance.
- Implemented Langflow pipelines to prototype, chain, and deploy reusable flows for rehydration, validation, and notification use cases.
- Integrated Bedrock models with contextual retrieval to enable autonomous task planning, status reasoning, and adaptive retry logic.
- Automated EKS Cluster creation process
- Provided consistent environment using Kubernetes for deployment scaling and load balancing to the application from development thru production, easing the code development and deployment pipeline by implementing Docker containers.
- Integrated FLUENTD with elastic search and Splunk with KAFKA for k8s Logging.
- Python automation which reads the ELASTICSEARCH logs from prod environments and alert with detailed errors.
- Gitlab Operations automation with pipeline.
- Automated Jenkins pipeline for the Canary deployments with Kubernetes.

- Built Helm charts for the deployment of Kubernetes services as an EFS persistent volume provisioner, Ingress Controller.
- Experience in Configuring Ansible and wrote Ansible playbooks to manage Environments.
- Automated AWS operations with boto3.
- Integrated Hubot to run on slack which can return HC for Production APIs on a timely basis, and it can be used as K8s CLI.
- Active participation in scrum meetings, reporting the progress and maintain good communication with the peers.

Operations Engineer | Copart India Technology Center

11/2017 - 03/2019

- Developed CI/CD system with Jenkins on Kubernetes container environment, utilizing Kubernetes and Docker for the CI/CD system to build, test and deploy.
- Responsible for implementing containerized based applications on Azure Kubernetes by using Azure Kubernetes Service (AKS), Kubernetes Cluster, which are responsible for cluster management, Virtual Network to deploy agent nodes, Ingress API Gateway, MySQL Databases and Cosmo DB for stateless storage of external data, and setup reverse proxy Nginx in the cluster.
- Managed Azure Infrastructure Azure Web Roles, Worker Roles, SQL Azure, Azure Storage, Azure AD Licenses. Virtual Machine Backup and Recover from a Recovery Services Vault using Azure PowerShell and Portal.
- Implemented Jenkins pipelines into Azure pipelines to drive all micro services builds out to the Docker registry and then deployed to Kubernetes, Created Pods and managed using AKS.
- Create and administer Docker containers wherever requested by the Dev teams.
- Optimize the AWS resources for better security and
- Cost optimization.
- Created Slack bot to have a quick insight on the critical resources.
- Play with ansible playbooks to deploy services.
- Create Docker images for appropriate environment and push it to the Repo.
- Analyse the Security logs thru the Sumologic.
- Run maintenance scripts and Sanity Checks on Prod/ Dev servers.
- Build and Deploy Microservices thru Jenkins.
- Monitoring the environment using Nagios, Manage Engine.
- Monitor and administer the Cisco Network Devices.
- Automated internal website logins using selenium with Python.
- Maintain and Administer the Batch Jobs on AS400 Servers
- Administration of Web based Internet/Intranet Client/Server multi-tire
- Distributed applications; Installed Patches and packages on Linux.

DevOps Engineer | IBM India Pvt Limited

02/2015 - 11/2017

- Installed and configured Sumologic for log monitoring and forwarded system stats to Cloud, created dashboards and alerts using this data.
- Wrote Ansible Playbooks with Python SSH as the Wrapper to Manage
- Configurations of AWS nodes and Tested Playbooks on AWS instances using Python. Run Ansible Scripts to Provide Dev Servers.
- Build and Release management using GIT, MAVEN and Jenkins administration.
- Wrote playbooks to automate the Middleware Infrastructure like Apache Tomcat, JDK and configuration tasks for new environments.
- Wrote Shell scripts to tar the WebSphere logs on Development servers and store them on an archive server.
- Create and Administer AWS resources.
- Evaluating and advising on virtualization and containerization solutions
- Automate System Administration tasks through Bash shell scripting.

- Involved in building and configuring new Virtual machines in our environment as per the client's requirement.
- Patch management and firmware up gradation and decommission.
- Maintain and Administer IBM AS400 servers.
- Debugged and wrote Perl and shell scripts.
- Installation and configuration of Apache Tomcat Server.
- Installed and configured SUDO on AIX and Linux.
- Installation and configuration of Backups thru IBM Tivoli.
- Assisted in the Installation and configured components and peripherals for
- New and existing Unix/Linux hardware including VMware and Disaster recovery systems.
- Responsible for all OS issues, security, performance, upgrade, and patching.
- User management - Managed setup and maintains the groups and user accounts.
- File System administration – Worked extensively on file system creation, extension.
- Scheduling and configuring repetitive jobs using CRON utility.
- Configured send mail on Linux servers.
- Configured Tivoli monitoring and resource management tool on Linux and AIX.
- P2V and V2V conversions by using VMware Converter 4.1 and 5.0,5.1
- Configuration of VMotion, VMware HA, VMware DRS and VMware FT services.
- Configuring data store to ESX using iSCSI and FC.

EDUCATION

Jawaharlal Nehru Technological University - Hyderabad, India

Bachelors: Computer Science & Engineering

CERTIFICATIONS

Red Hat Certified Specialist in Ansible Automation

AWS Certified Solutions Architect - Associate