



CHENNAKESAVULU KUMMARI

AWS Certified Solution Architect, DevOps & FinOps Engineer

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Hyderabad, TG, India

Certifications

- RHCSA
- RHCE
- AWS Certified Cloud Practitioner
- AWS Certified Solutions Architect
- AWS Certified Developer
- AWS Certified DevOps Engineer
- AWS Certified Security Engineer
- Microsoft Azure Developing Microsoft Azure Solutions
- Microsoft Azure Infrastructure and Deployment

Training & Seminars

- AWS Global Summit Berlin, Amsterdam
- Mumbai AWS Public Sector Summit Online
- As a freelance trainer since 2015, I have trained over 5,000 students through both classroom and online sessions on AWS, Azure, DevOps & FinOps

Language

- English
- Hindi
- Telugu

About me

A Cloud DevOps & FinOps Engineer with over 15 years of experience specialising in AWS as a DevSecOps Engineer and 10 years of expertise in Azure. Proven ability to design, implement, and manage CI/CD pipelines and cloud solutions to meet scalability, performance, and security needs in Agile environments.

Key Highlights

- **Extensive DevOps Expertise:** Skilled in installing, configuring, and maintaining Continuous Integration (CI), automation, and configuration management tools such as Jenkins, GitHub, and GitLab.
- **Cloud Solutions Architect:** Proficient in analyzing business and technical requirements to design scalable, cost-optimized, and high-performing cloud solutions.
- **CI/CD Proficiency:** Experienced in developing and managing CI/CD pipelines using Git, GitHub, GitLab, Azure Repos, AWS CodeCommit, Bitbucket, Jenkins, SonarQube, JFrog, Terraform, Azure Bicep/ARM Templates, Packer, Shell Scripting, Ansible, Docker, Kubernetes, Azure Pipelines, AWS CodeBuild, and AWS CodePipeline.
- **Migrations & Disaster Recovery:** Successfully migrated over 100 applications to AWS and Azure while implementing robust disaster recovery strategies for critical systems.
- **FinOps Expertise:** Specialized in optimizing cloud resource utilization and cost efficiency through effective financial operations strategies.
- **DevSecOps Solutions:** Designed secure and compliant CI/CD pipelines, integrating security best practices to identify and mitigate vulnerabilities.
- **Operational Excellence:** Experienced in incident management, automation, Infrastructure as Code (IaC), serverless computing, and AWS optimization.
- **Monitoring & Reporting:** Expertise in implementing monitoring solutions using Splunk, managing artifact repositories (e.g., JFrog Artifactory), and optimizing cloud resources for compute, storage, and database needs.
- **Team Leadership:** Documented CI/CD workflows and incidents while providing mentorship and knowledge transfer to team members, ensuring continuous improvement and efficiency.

Specialized Daily Operations

- Managing three-tier architecture (Web Server, Application Server & Database Server).
- Ensuring security patching, deployment, and resolving security vulnerabilities.
- Conducting R&D on new AWS services and executing Proof of Concepts (POC).
- Troubleshooting and optimizing CI/CD pipelines to ensure smooth releases.
- Possessing a combination of technical expertise and strategic problem-solving skills, I am committed to driving cloud transformations, seamless migrations, and delivering secure and cost-effective DevOps solutions for enterprise-level operations.

DevOps Tools & Technologies

- Version Control: Git, GitHub, GitLab, AWS CodeCommit, Azure Repos
- CI/CD Tools: Jenkins, AWS CodeBuild, AWS CodePipeline, Azure Pipelines
- Code Quality & Security: SonarQube, Black Duck
- Artifact Repositories: Nexus Sonatype, JFrog, Artifact
- Web Servers: Httpd, Apache2, Nginx
- Application Servers: Apache Tomcat, JBoss, GlassFish, WildFly, IIS
- Containerization: Docker
- Container Orchestration: Kubernetes (K8s), AWS EKS, AWS ECS, Azure AKS
- Storage Solutions: AWS S3, Azure Blob Storage
- Disaster Recovery: CloudEndure, AWS Elastic Disaster Recovery (EDR)
- Backup & Recovery: CloudRanger
- FinOps Tools: CloudHealth
- Visualization Tool: Tableau
- Infrastructure as Code (IaC): AWS CloudFormation, Bicep, ARM Templates, & Terraform
- Configuration Management (CM): Ansible
- Golden Image Creation: Packer
- Monitoring & Observability: Amazon CloudWatch, NewRelic

Education

MBA

Master in Business Administration on Information Technology from Osmania University.

Experience

Tech Mahindra

2019-12-06 to Present

Cline Name : Suez/Veolia Water Technologies

- Analysing customers business and technical requirements, assessing existing environment for Cloud enablement, advising on Cloud models, technologies and risk management strategies.
- Cloud solutions to address scalability, performance, security, availability, cost transformation requirements.
- Creating CI/CD Pipelines using Terraform, Packer, Shell Scripting, Power-shell, Ansible, Docker, Kubernetes, S3, EC2, IAM, AWS CodeBuild, AWS CodePipelines.
- Understanding the on-premises applications and designing architectures.
- Implementing CI/CD Pipelines for Build, & Release on AWS & Azure.
- Created a python code to Manage AWS & Azure resource like (Resources Grouping & Tagging, Aged Keys, Orphan Security Groups, Unused Snapshots, Schedules for cost savings etc.)
- Managing three-tier architecture (Web Server, Application Server & Database Server).
- Monitoring Build, & Release jobs on AWS & AZURE
- **Taking care of below activities on daily basis :**
 - Incident Management, Monitoring & Documentation, Security Vulnerabilities, Patching & Deployment, Automation, IaC, Adhoc requests, Serverless, AWS Optimisation, Create/Update/Modify CI/CD Pipelines, Monitoring & Troubleshooting CI/CD Pipelines, POC, R&D on New services on AWS, & Team Management
- Documenting the CICD flow & various incidents on Knowledge base and transferring the knowledge to new bees.

Capgemini Technology Solutions India Ltd

2017-04-27 to 18-11-2019

Cline Name : Nationale Nederlanden(NN Group)

Cloud DevOps CI/CD Engineer

- Analysed customer requirements and assessed environments for cloud enablement, advising on cloud models, technologies, and risk management.
- Designed cloud solutions addressing scalability, performance, security, and cost transformation.
- Migrated on-premises applications to AWS & Azure using Agile and CI/CD pipelines.
- Built and implemented CI/CD pipelines with tools like Git, GitHub, Jenkins, Maven, Terraform, Docker, Kubernetes, and Selenium.
- Managed Git repositories, branching strategies, and automated build processes using Maven and Jenkins.
- Deployed virtual machines, storage, databases, and network components on Azure and AWS.
- Automated infrastructure using Python, Terraform, and CloudFormation.
- Configured and monitored AWS services like VPC, EC2, S3, IAM, CloudWatch, and RDS.
- Implemented alerts, security policies, and backup strategies using AWS tools.
- Developed and documented CI/CD workflows, knowledge transfer, and incident resolutions.

Netxcell LTD

DevOps Engineer

2014-11-05 to 2017-04-26

Cloud DevOps Engineer

- Designing, implementing and supporting fully automated Continuous Integration and Continuous Delivery processes
- Created fully automated Jenkins CI build and deployment infrastructure and processes for multiple projects.
- Provisioning the infrastructure on AWS(EC2, S3, ELB, Database,LoadBalancers, Route53,etc)
- Developed Docker images and docker container configuration to support development and testing teams and their pipelines.
- Installing, configuring and maintaining Continuous Integration, automation and Configuration Management tools.
- Infrastructure provisioning on Azure(Compute, Storage, Database, Networking etc)
- Creating CI/CD Pipelines on AWS & AZURE Cloud Using Cloud Native devops tools.
- Maintained GitHub and GitLab for Git version controls system repositories and maven builds for devops environment
- Managed delivery pipeline, Configure jobs, release the builds, pipelines, troubleshoot on build failures and test failures
- Developing automated process for builds and deployments; Jenkins, Maven, Sonar, ShellScript, Python, Java
- Monitoring 200 + Linux servers, 20 + DB Servers & 10 + Windows servers catering to the needs to entire business components through Nagios and Splunk.
- Analyzing the codes for any bugs, troubleshooting issues, Application support functions,
- deploying the code on stages i.e. Test, Acceptance & Production.
- Implemented a CI/CD pipeline involving GitLab, Jenkins, Ansible, Packer, Terraform, Docker, and Selenium to complete the automation from commit to Deployment.
- Monitoring the CI/CD Pipeline & troubleshooting the issues and documenting the known errors in Knowledge Base.
- Participating the Online/Offline tech seminars like AWS, Azure, Docker, Python, & Kubernetes.

Teamware Solutions Pvt Ltd

Bank Of America

2013-04-01 to 2014-10-27

Cloud DevOps Engineer

- Monitored DevOps CI/CD pipelines and worked on Agile Scrum Board stories.
- Installed, configured, and maintained CI/CD, automation, and configuration management tools.
- Managed GitHub and GitLab repositories and Maven builds in DevOps environments.
- Configured delivery pipelines, resolved build/test failures, and handled software upgrades/releases.
- Designed architectural diagrams for migrating applications to AWS for cost-effective, scalable, and secure solutions.
- Created CI/CD pipelines and implemented solutions for building, deploying, monitoring, and testing applications.
- Installed and configured open-source artifact repositories like JFrog Artifactory.
- Integrated Splunk for monitoring and reporting across environments.
- Provisioned compute, storage, and database resources on AWS.
- Administered Jenkins jobs, including build automation, reporting, and alerts.
- Automated developer workspaces with Ansible for centralized management and improved productivity.
- Handled planned changes for production, non-production, and disaster recovery environments.
- Managed virtual machines, backups, restores, network services, and Linux server troubleshooting.
- Proactively resolved site issues and ensured compliance with standards and procedures.

Linux and Build Engineer

- Monitoring 600 + Linux servers catering to the needs to entire business components through Big brother and Zenoss.
- 300 + Linux servers catering to the needs to entire business components 10 + Windows servers catering to the Reports and other components and 20 + DB Servers
- Tracking all the requests through ticketing tool RT(request Tracker)
- Troubleshooting the issues by checking server logs.
- Involves managing change, incidents and request tasks using Request Tracker trouble ticket system, simply following the ITIL Process
- Monitoring System Performance includes Memory, Virtual memory, System events, Swapping, Disk utilization, CPU utilization includes. Vmstat, netstat, iostat. Samba, Apache, FTP server configuration as per the client requirement.
- Documenting technical issues.
- Configuring, Administration and Management of Users and Groups.
- Creating user accounts for ftp server
- Scheduling of automatic, repetitive Jobs using commands with Cron tab
- Configuring and Maintaining Server and client Systems with NFS & Auto mount services.
- Installation and configuration of services like -NFS, Samba, Apache, FTP server configuration.