

# ANIL KUMAR LINGOLU

## DevOps Engineer



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### Career Brief:

Highly skilled DevOps and Cloud Engineer with overall 6+ years of IT experience, specializing in cloud environments AWS, Azure and DevOps tools like Jenkins, Gitlab, Ansible, Docker, and Kubernetes. Expertise in automating infrastructure using Terraform to create and manage cloud resources. Proficient in understanding client requirements, devising optimal solutions, and deploying them. Strong background in CI/CD pipeline development, configuration management, and container orchestration, ensuring high availability and scalability in cloud-based applications.

### Professional Summary:

- DevOps and Cloud Engineer with overall 6+ years of hands-on experience. Specialized in software release management, deployment, and build automation
- Proficient in version control with Git and skilled in software configuration management, with a strong command of shell scripting to support scheduled builds.
- Good knowledge of Application Lifecycle Management change and release management.
- Good knowledge of Software methodologies like Scrum, Agile methodology, successful in working with teams for higher-quality deliverables.
- Having good knowledge in Shell scripting, and supporting scheduled Builds using shell scripts.
- Experience in managing on premises AD and integrate with AWS directory services and creating AWS Workspaces.
- Extensive experience on Jenkins, Docker for continuous integration and end to end automation for all build and deployments.
- Handling and monitoring all phases of Build activities using CI tools like Jenkins.
- Configuring security settings in Jenkins, including user authentication, authorization, and role-based access control (RBAC), to ensure secure access to Jenkins resources.

- Managing Jenkins plugins to extend functionality and integrate with other tools and systems within the CI/CD pipeline.
- Hands on experience in working with AWS and it's services like Ec2, VPC, S3, Lambda, Directory services, SNS, cloud watch.
- Skilled in infrastructure automation using Terraform.
- Experience in automating infrastructure provisioning with Ansible Playbooks.
- Experience in working with Docker.
- Experienced in container orchestration with Kubernetes.
- Deployed and managed Kubernetes clusters on AWS using EKS and Terraform.
- Implemented GitOps workflows using Spinnaker and Helm for micro services architecture.
- Experience in handling maintenance and deployments for analytics, platform services, telecom, and other domains.
- Hands on work experience with Gitlab pipelines with components.
- Good Knowledge on log analysis to identify and resolve outages, ensuring minimal downtime and reliable service delivery.

### **Technical Skill Set:**

- Cloud : AWS
- Infrastructure as Code (IaC) : Terraform
- Scripting Languages : Shell Scripting, python
- DevOps : Jenkins, Gitlab, Azure DevOps, Spinnaker, Ansible, Docker, Snyk
- Container Orchestration – **Kubernetes**
- Monitoring tools: **Datadog, Zabbix, Site 24/7**
- Operating Systems : Windows, Linux
- Version Control : Git, GitHub

## **Certifications:**

**AWS Developer Associate**

## **Experience Details:**

**HTC Global Services, Senior Engineer — 2024 November - Till Now**

**Digital Dots Technologies Pvt Ltd, DevOps Engineer — 2024 July - 2024 September**

**Persistent Systems Ltd, Lead Software Engineer — 2021 August - 2024 June**

**RMSI Pvt Ltd, GIS Engineer — 2017 January - 2019 August**

## **Project 1 : World Bank Groups (WBG)**

My Role involves in ensuring the application meets the World Bank Groups (WBG) internal requirements , and I am responsible for maintaining effective communication with all stake holders, I work closely with both business users and application development IT teams to ensure integration and collaboration.

- Actively developing proficiency in DevOps tools and cloud technologies with a focus on continuous integration and deployment (CI/CD) practices.
- Collaborating with internal teams to understand and implement DevOps best practices, aligning with industry standards.
- Exploring the integration of tools like GIT, K8s , Terraform and AWS to optimize application lifecycle management and automation.
- Built and maintained CI/CD pipelines using Jenkins and Gitlab.
- Contributing to internal projects focused on setting up and streamlining end-to-end DevOps pipelines for automated software builds and deployments.
- Reduced deployment time by by automating infrastructure provisioning and deployments.

## **Project 2 : Tangoe**

Worked on various platforms including Cloud, Telecom, Rivermine, CMP, Central Auth, and EMS, ensuring smooth deployment and maintenance of software solutions.

- Played a key role in the technical deployment team, responsible for infrastructure monitoring and providing solutions to optimize performance and reliability.
- Worked on Jenkins pipelines, Docker and EKS services as a part of CI/CD.
- Utilized code and cloud-native deployment techniques to design, plan, and integrate cloud computing and virtualization systems.
- Monitored application health using tools like Zabbix and Site24x7, proactively addressing issues before they impacted end-users.
- Deployed and maintained applications across various platforms, including Telecom, Rivermine, and BillingIT, ensuring seamless operation and high availability.
- Reviewed existing systems and processes, making strategic recommendations for improvements that enhanced system performance and reduced operational costs.
- Consistently exceeded goals through effective task prioritization, proactive problem-solving, and a strong work ethic.

## **Project 3: GARP**

Our Client is a US based financial company. We migrated on premises infra to cloud and also managed their servers, configured multiple AWS services.

- Led the migration of on-premises infrastructure to AWS cloud for a US-based financial company, ensuring a seamless transition and robust cloud environment.
- Managed and configured multiple AWS services, including the creation and management of IAM users, policies, and roles to ensure secure and efficient access to AWS resources.
- Facilitated secure data transfer from on-premises to AWS using SFTP via WinSCP, ensuring data integrity during migration.

- Created and managed S3 buckets, including lifecycle and bucket policies, to optimize storage and data management.
- Designed and implemented a Virtual Private Cloud (VPC) with all necessary components, including subnets, route tables, internet gateways (IGW), and NAT gateways, to ensure secure and efficient network architecture.
- Configured S3 VPC Endpoints for instances in private subnets to maintain secure, internal access to S3 without internet exposure.
- Provisioned and managed EC2 instances and security groups, ensuring secure and scalable compute resources for the client's applications.
- Configured DNS names and record sets using Route 53 and managed SSL/TLS certificates with AWS Certificate Manager to ensure secure and reliable domain management.
- Deployed and managed Amazon RDS instances, specifically Amazon Aurora MySQL, to provide highly available and fault-tolerant database solutions.
- Launched and maintained AWS Workspaces, including custom configurations using Bundles and images for optimized desktop environments.
- Enabled CloudTrail events for S3 to track and monitor access and activity, enhancing security and compliance.
- Configured SNS for S3 notifications, ensuring real-time alerts and monitoring of bucket activities.
- Managed and administered AWS Managed Active Directory, including user and group management, ensuring secure and streamlined access across EC2 instances, AWS Console, and Workspaces.

#### **Project 4: IMT - Jenkin jobs review for Security / modernization**

Collaborated with over 50 development teams at ICE Mortgage Technology (IMT formerly known as Ellie Mae), a leading cloud-based platform provider for the mortgage finance industry, to migrate Jenkins jobs in a secure and compliant manner.

- Automated the Jenkins job migration process using Python scripting and Jenkins APIs, ensuring an efficient and error-free transition.
- Tested various Jenkins job types as part of the migration process, ensuring that all jobs functioned correctly post-migration.

- Regularly interacted with client teams to communicate updates, address concerns, and ensure a smooth migration process.
- Implemented team-specific access permissions and credential management in Jenkins, adhering to strict security and compliance requirements.
- Provided timely reports and comprehensive documentation to client teams, keeping them informed about the migration status and any necessary actions.

### **Project 5: IDEEO, ABHI BUS, LAWRENCE and MAYO**

- Developed and deployed the IDEEO-Meet application, a video conferencing and meeting platform, in the AWS cloud, leveraging services such as IAM, EC2, ELB, Auto Scaling, Route 53, CloudWatch, S3, and Lambda.
- Utilized Python scripting to automate the start/stop of instances, optimizing resource usage and cost efficiency.
- Ensured the application's scalability and reliability by implementing load balancing and auto-scaling strategies, meeting the high demand for video conferencing services.
- Led the migration of Abhibus from on-premises infrastructure to AWS cloud for a high-traffic mobile application. Configured and managed AWS services, including ELB and Auto Scaling, to handle large volumes of traffic efficiently.
- Conducted end-to-end migration for Lawrence and Mayo ensuring a seamless transition to AWS and significantly improving the application's performance and scalability.
- Deployed a billing server and database for Lawrence & Mayo Opticians using AWS, with RDS for database management and DMS for data replication from RDS to an EC2 instance.
- Managed the entire infrastructure, ensuring reliable and secure operations for the client's critical business functions.

**Education:**

- Bachelor of Technology with Electrical and Electronics Engineering from Vishnu Institute of Technology, Bhimavaram (JNTUK) with Aggregate 68% in 2016.
- MPC from Aditya Junior College, Palakol with Aggregate 94.5% in 2012.
- SSC from Alpha English Medium School, Marteru with Aggregate 86% in 2010.

**Strengths:**

- Enthusiastic and quick learner with a strong passion for exploring new technologies and conducting innovative research.
- Highly conceptual and innovative problem solver with excellent communication skills and a clear understanding of business processes. Capable of working independently or collaboratively as part of a team, consistently delivering results that align with organizational goals.

I hereby declare that all information furnished above is true to the best of my knowledge and belief.

Lingolu Anil Kumar  
Place: Hyderabad, Telangana.