# Subbaraju L

**Cloud Architect & DevOps Engineer Email:** [subbarajul205@gmail.com](mailto:Subbaraju.lakkamraju@gmail.com)

# Summary

* Skilled AWS & Certified AZURE engineer and DevOps Engineer with a total of 14 years of industry experience in Architecting Cloud Solutions, Implementing DevOps strategies, Improving resiliency, efficiency, and performance of Applications/Services as a Build and release engineer.
* Having deep knowledge of Container Orchestration and having good experience in building, maintaining, deploying, and monitoring AKS, EKS, and OpenShift Kubernetes clusters.
* Hands-on experience in building Multi-Cluster Istio service mesh on top of Kubernetes clusters and developed solutions like Telemetry, Traffic management & Security.
* Designing, implementing, and supporting fully automated Continuous Integration (CI) and Continuous Delivery (CD) processes using tools like Jenkins, Git actions, and Cloud build and integrating them with other DevOps tools like Git, Maven, Nexus, Ansible, Docker, and Kubernetes to create CI/CD pipelines.
* Good expertise in Cloud Computing Technologies like Azure & AWS covering wide range of services in Networking, Security, Compute, Database, Storage, Monitoring, Serverless etc.
* Experienced in creating and maintaining Infrastructure using Terraform, CloudFormation and deploying applications using Helm charts.
* Hands-on knowledge on automating day-to-day tasks using scripting languages like Bash Shell Scripting.

# Certification

* Microsoft Azure Administrator- Associate (ID: 996467598)

# Skillset

* AWS, Azure, CI/CD, Jenkins, Git Actions, Docker, Kubernetes, Terraform, Helm, GIT, Ansible, Shell scripting, Cloud Formation, ELK, Prometheus, Database (SQL, Teradata, Oracle, RDS), Service Desk, Tableau.

# Education

* B.Sc. Computers from Acharya Nagarjuna University.

# Professional Experience

* Build and Release Engineer Apr 2021 - Present
* Cloud Engineer Oct 2018 - May 2021
* Tableau Administrator Oct 2016 – Sep 2018
* Database Administrator Dec 2010 – Sep 2016

# Responsibilities:

Baker Hughes (GE to BH Migration) Apr 2021 – Present Sr Build and Release Engineer

* Provide architectural and practical guidance to software development to improve resiliency, efficiency, performance, and costs.
* Build and support large Kubernetes clusters across multiple platforms (AWS, AZURE).
* Contribute to the development of new tools to create automation that ensures the service can be optimized and tuned with minimal human intervention.
* Help to enhance our monitoring of the production environment using different tools like Dynatrace, PGL, and Elastic stack to ensure a speedy resolution of issues.
* Capacity planning and management – create, use, and maintain a capacity model for Azure and AWS hosting, using terraform IAC and CloudFormation.
* Developing CI/CD roadmap and implementing to the project
* Participate in the on-call schedule in the local time zone.
* Ensure that support documentation is produced, maintained, and improved.
* Actively manage, improve, and monitor cloud infrastructure on AWS, EC2, S3, and RDS, including backups, patches, and scaling.
* Create and maintain fully automated CI/CD pipelines for code deployment using Jenkins / Git actions and GIT.
* Setup and Maintenance of automated environment using Ansible playbooks for different applications.
* Built and deployed Docker containers to break up monolithic apps into microservices, improving developer workflow, increasing scalability, and optimizing speed.
* Continuously monitoring the Applications, services and servers using monitoring tools like Nagios, CloudWatch etc.
* Perform root cause analysis of production errors and resolve technical issues.
* Designed and implemented monitoring and alerting solutions using Prometheus, Elasticsearch, and Grafana, resulting in improved observability and reduced downtime.

GE Aviation Oct 2018 - May 2021

Cloud Engineer

* Create and maintain fully automated CI/CD pipelines for code deployment using Jenkins.
* Actively manage, improve, and monitor cloud infrastructure on AWS, EC2, S3, and RDS, including backups, patches, and scaling.
* Reduced costs by ~$300 each month by eliminating unnecessary servers and consolidating databases.
* Automated build and deployment using Jenkins to reduce human error and speed up production processes.
* Installed and configured Nagios to constantly monitor network bandwidth, memory usage, and hard drive status.
* Managed GitHub repositories and permissions, including branching and tagging.
* Automated build and deployment process with Jenkins eliminating 80% of manual work and reducing deployment times from 5+ hours to 15 minutes.

GE Power Oct 2016 - Sep 2018

Tableau Administrator

* Managed the allocation of Tableau licenses to users and departments, ensuring optimal distribution and utilization.
* Timely renewal of Tableau licenses, coordinating with vendors and stakeholders to maintain uninterrupted access.
* Implemented strategies to optimize tableau license usage, reducing unnecessary expenditures and maximizing cost-effectiveness.
* Ensured compliance with Tableau licensing agreements and organizational policies, conducting regular audits and assessments.
* Identified performance bottlenecks within Tableau workbooks and visualizations, conducting through analysis to pinpoint root cause.
* Developed and implemented optimization strategies to improve Tableau dashboard performance, including data source optimization, query tuning, and workbook restructuring.

GE Healthcare Dec 2010 – Sep 2016

Database Administrator

* Installed and configured SQL Server, Teradata, and Oracle database systems and best practices.
* Managed day-to-day database administration tasks such as user management, security configuration, backup and recovery, and performance monitoring.
* Implemented backup and recovery strategies to ensure data integrity and minimize downtime in the event of system failures or disasters for SQL Server, Teradata and Oracle databases.
* Managed database patching and upgrades, ensuring that SQL Server, Teradata, and Oracle database systems are up to date with the latest security patches and features.