**Devarajulu Naidu Kakarla**

**Sr. DevOps Engineer**

**4375591598**

[**devarajulu.naidu24@gmail.com**](mailto:devarajulu.naidu24@gmail.com)

**https://www.linkedin.com/in/devarajulukakarla/**

**PROFESSIONAL SUMMARY:**

As a dynamic DevOps Engineer with 6 years of hands-on experience, I am passionate about transforming software development through automation, cloud technologies, and cutting-edge CI/CD practices. I excel in crafting robust CI/CD pipelines that ensure seamless and efficient software delivery. I thrive in collaborative settings where I can drive innovation, boost system reliability, and champion DevOps best practices. With a focus on continuous improvement, I am dedicated to optimizing the development lifecycle and contributing to the success of forwardthinking teams and organizations.

**CERTIFICATIONS / QUALIFICATION:**

Google Cloud Certified Cloud Engineer – Associate Level

AWS Certified Solution Architect – Associate Level and Professional Level

Microsoft certified Azure Administrator – Associate Level

BEng. Electronics and Communication Engineering (1st Class Upper) I 2018 I JNTU.

**WORK EXPERIENCE:**

**ScotiaBank**

**09/2023 – Present**

**Sr. DevOps Engineer**

* As a Senior DevOps Engineer, I took on a highly advanced role that blends hands-on technical work with strategic leadership in bridging development and operations.
* Implemented a serverless architecture using API Gateway, Lambda and deployed AWS Lambda code from Amazon S3 buckets.
* Experience in architecting and securing the infrastructure on AWS using EC2, S3, EKS, Redshift, RDS, Cloudwatch.
* Create common Terraform modules (referencing other Github modules) for use across multiple AWS environments.
* Proficient with GOCD for continuous integration and continuous deployment and for End-to- End.
* Wrote several Ansible playbooks for the automation that was defined through tasks using YAML format and ran Ansible scripts to provision Staging and production servers.
* As a Senior DevOps Engineer, I took on a highly advanced role that blends hands-on technical work with strategic leadership in bridging development and operations.
* My focus is on spearheading DevOps initiatives, streamlining workflows, ensuring the scalability of systems, and fostering a robust automation culture. You guide cross-functional teams, mentor junior engineers, and drive the adoption of DevOps best practices across the organization.
* At my core, I’am a proficient problem-solver with a unique perspective, a meticulous planner who embraces calculated risks. My deep expertise in both the systems and application integrations which I manage allows me to effectively resolve mission-critical issues, ensuring the continuous delivery of reliable and scalable solutions.
* Installed and configured Jenkins, in Linux Environment and automated processes using Jenkins.
* Create, manage, and delete users and groups as per the request using Amazon Identity and Access Management.
* Created the automated build and deployment process for application, re-engineering setup for better user experience, and leading up to building a continuous integration system for all our products.
* Experience in designing CI/CD Pipelines on CI servers for Mobile applications using Jenkins, Gradle.
* Excellent knowledge of Mac, Linux and Windows system
* Implemented cluster services using Kubernetes and Docker to manage local deployments in Kubernetes by building a self - hosted Kubernetes cluster using Terraform and Ansible and deploying application containers.
* Automated OpenStack and AWS deployment using cloud formation, Ansible and Terraform.
* Managed Kubernetes charts using Helm Created reproducible builds of the Kubernetes applications, templatize Kubernetes manifests, provide a set of configuration parameters to customize the deployment and managed releases of Helm packages.
* Hands-on experience with monitoring tools like Dynatrace.
* Created Grafana dashboards for various applications and monitored real-time and historical metrics using Prometheus.

**TCS 02/2022 - 08/2023**

**Sr. DevOps Engineer**

* Excellent working experience any Dashboard or Monitoring tools such as ELK or splunk development experience in Java, Database Management
* Implemented cluster services using Kubernetes and Docker to manage local deployments in Kubernetes by building a self - hosted Kubernetes cluster using Terraform and Ansible and deploying application containers.
* Automated OpenStack and AWS deployment using cloud formation, Ansible and Terraform strong scripting experience in Shell/Python
* Creating scripts with DSL Groovy which integrate with Jenkins for Automation to create seed jobs.
* Continuous Integration Tools: Jenkins experience in designing CI/CD Pipelines on CI servers for Mobile applications using Jenkins, Gradle.
* Used Ansible playbooks to set up a continuous delivery pipeline. Deployed cloud formation templates, provisioning AWS environments using Ansible playbooks.
* Developed Dev/Test/Prod environments of different applications on AWS by provisioning Kubernetes clusters on EC2 instances using Docker, Bash and Chef.
* Wrote python code using Ansible python API to automate Cloud Deployment Process.
* Wrote several Ansible playbooks for the automation that was defined through tasks using YAML format and ran Ansible scripts to provision Staging and production servers.
* Installed and configured Jenkins, in Linux Environment and automated processes using Jenkins.
* Wrote the PowerShell scripts to automatically restart the UDeploy agents on LINUX machines.
* Integrated Jenkins with UDeploy and created UDeploy components, UDeploy process, installed UDeploy agents on both Windows and Linux machines according to application team requirements.
* Worked on Maven to create artifacts from source code and deploy them in Nexus central repository for the internal deployments.
* Create, manage, and delete users and groups as per the request using Amazon Identity and Access Management.
* Used AWS Cloud Formation to provision and update a web application and build servers using AWS, importing volumes, launching EC2, RDS.
* Used Stack Driver and AWS Cloud Monitoring extensively to monitor and debug the cloud- based AWS EC2 services.
* Experience in Openshift container platform that brings docker and kubernetes to the enterprise.
* Experience working with varied SQL, NOSQL databases
* Worked on developing Ansible Go Scripts for automating regular tasks.
* Experienced in updating the source code and deployment code hosting in GitHub.
* Experience with Docker, deploying containers, automated build deployments using Jenkins.
* Created and maintained tailored agile scrum methodology using JIRA as tracking and workflow tool.
* Implemented and maintained the branching and build/release strategies utilizing GIT.
* Trained all the project developers and testers on best practices and processes adopted for the development life cycle.
* Worked with containerization, orchestration and service discovery on both windows and Linux hosts, using docker, ECS, EKS.

**HCL Technologies 02/2019 - 02/2022**

**DevOps Engineer**

* Developed and implemented Software Release Management strategies for various applications according to the agile process.
* Imported and managed multiple corporate applications into Subversion (SVN).
* Involved in all projects that move to production and work closely with the Data Center, Development, Quality Assurance and Management teams to ensure cross communication and confirmed approval of all production changes
* Provided end-user training for all Subversion (SVN) users to effectively use the tool.
* Developed build and deployment scripts using MAVEN as build tool and automated the build and deploy processes using Jenkins to move from one environment to other environments.
* Created and maintained the Shell/Perl deployment scripts for WebLogic web application servers.
* Involved in editing the existing MAVEN files in case of errors or changes in the project requirements.
* Experience in Openshift container platform that brings docker and kubernetes to the enterprise.
* Worked on building CI/CD pipelines with Jenkins.
* Perform periodic system audits on all environments to ensure that only controlled versions of software reside in all environments.
* Managed Maven project dependencies by creating parent-child relationships between projects.
* Jenkins is used as a continuous integration tool for automation of daily processes.
* Supported software development efforts to a TDD test-driven development process which brought a 100% test coverage to the back-end.
* Used JIRA for change management and bug tracking.