**Devops/Cloud Engineer**

**Name: Anudeep Gudimalla**

**Education:**

* Master’s in **computer Science** (**Governors State University**, Public university in University Park, IL-DEC 2022)

**Professional Summary:**

* Devops/Cloudengineer with over **8+ years** of experience in **Build and Release** Engineering in **Automating**, **Building**, **Deploying**, migrating 20+ applications to cloud using Agile & Devops CI/CD pipeline.
* Expertise in DevOps, **Release Engineering**, Configuration Management, Cloud Infrastructure, Automation. It includes **Amazon Web Services (AWS), Maven, Jenkins, Chef, Puppet, Ansible, SVN, GitHub, Gitlab, Tomcat, JBoss, Nexus, SonarQube, PostgreSQL, Ansible, Nagios, Docker,** **Kubernetes,** and **Linux** etc.
* Experience with **RedHat Linux**, configuration management using **Puppet** and **Chef**.
* Managed servers on the **Amazon Web Services** (AWS) platform instances using Puppet, chef configuration management.
* Used **Kubernetes** to orchestrate the deployment, scaling, and management of Docker Containers.
* Serving as a liaison between the Engineering and IT teams in order to procure, provision and maintain physical and virtual infrastructure.
* Proficient with container systems like **Docker** and container orchestration like **Azure Kubernetes Service**, worked with **Terraform.**
* Developed microservices on boarding tools leveraging **Nodejs** and Jenkins allowing for easy creation and maintenance of build jobs and Kubernetes deploy and services.
* Changing the AWS infrastructure Elastic Beanstalk to Docker with **kubernetes.**
* Experienced in branching, tagging and maintaining the version across the environments using **SCM tools** like **GIT**, **JIRA**, **Jenkins**, **CircleCI.**
* Experience in **Load balancing**, **DNS**, **SSL** and firewalls.
* Install, configure, modify, test and deploy applications on **Apache** web server, **Jboss** app servers.
* Expertise with configuration management automation tool **Ansible** and has worked on integrating **Ansible.**
* Automated CI/CD Pipeline from Code Commit to Code Deploy using Terraform & Cloud Formation, and created various resources like **Route53, Cloud Front**, **S3**, **VPC**, **Internet** **Gateway**, **NAT Gateway**, **Subnets**, **Route Tables**, **Elastic Load Balancers**, **Launch Configuration**, **Auto scaling**, **EC2 instances**, **Bastion Server**, **RDS**, **EFS**, **EBS**, **Cloud Watch**, **SNS**, **IAM** etc.
* Worked in code merging and code quality checks using tools like **Git**, **SonarQube** and **Nexus**.
* Experience in building the code database using tools like **Gradle**, **Maven** and **Ant**.
* Built and deployed various **Ansible** playbooks and modules in the Production and pre-production environments.
* Collaborated with Operations Infrastructure, Database engineers, cybersecurity and Middleware engineers to remediate security vulnerabilities.
* Experience in **Branching/Merging/Conflict** resolution using source control tools such as **Git**, **SVN**.
* Experience in system analysis, design, workflow architecture, development, testing and maintenance of web-based applications
* Built various containers using **Docker engine** and Docker Machine environments, to deploy the micro services-oriented environments for scalable applications.
* Used services like **Cloud Monitoring**, **Splunk**, and **Nagios** to do the monitoring of the application servers deployed.
* Extensive experience in working in a fast-paced **agile** environment.
* Strong attitude towards enhancing and learning new tools and technologies.
* Capable of handling multiple tasks and work effectively both in group and as an individual to meet deadlines.
* Working knowledge of web development and building applications in **Mongo**, **express**, **React**, **Node.** **Shell Script**

**Professional Experience:**

**Fiserv, Berkeley Heights, NJ**

**Role: DevOps Engineer April 2023-Present**

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**Responsibilities:**

* Working for a Finance domain client and Managing the Infrastructure in AWS cloud.
* Managed AWS cloud infrastructure, including provisioning and configuration of EC2 instances, networking, and storage resources.
* Utilized AWS services to optimize cost-efficiency and scalability, such as Auto Scaling, Elastic Load Balancing, and S3.
* Orchestrated Docker containers for application packaging and deployment, optimizing resource utilization.
* Managed containerization of microservices, improving scalability and portability of applications.
* Responsible for handling and managing the CICD pipeline in GitLab.
* Integrated GitLab with other DevOps tools to streamline the development and deployment processes.
* Along with the Gitlab, I am working with Nexus, sonarqube, fortify to keep the artifacts and do the code check.
* Handling day to day CICD/Cloud related issues that involves pipeline troubleshooting, docker issues etc.
* We are using harness for the deployment purpose. This is also managed as IAC through the Gitlab CI only.
* Implemented Harness for automated deployment and release orchestration, resulting in reduced manual intervention and faster application delivery.
* I am also looking into the monitoring and logging enhancement where we are using Dynatrace and Splunk.

**GlobalLogic,** **San Jose, California.**

**Role: Site Reliability Engineer July 2020-July 2022**

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**Responsibilities:**

* **Designing** and **implementing** fully automated server build, management, monitoring and deployment solutions for spinning multiple platforms using **Jenkins Pipeline** and **Terraform**
* Written the **Terraform modules** for various services in **Azure and AWS**
* Developed branching strategy for parallel development across multiple platforms in the process of migration. Developed Jenkins file to auto trigger for executing tasks based upon Github events.
* Implemented maintained the branching and build/release strategies utilizing GITLAB
* **Building out CI/CD automation pipeline for deploying the microservices into Kubernetes cluster.**
* **Implemented the** Service Mesh **ISTIO in the Kubernetes cluster.**
* Written the Ansible playing books for various automation
* Written the Python scripts AWS Automation using Boto3 lib
* Planning, scheduling, and documenting releases at **code Freeze Periods.**
* Deployed **Prometheus** with **Grafana** to monitor the Kubernetes cluster and configured alerts firing when different conditions het
* Provided solution on container runtime by performing proof of concepts on CNCF runtimes.
* Configured Kubectl to interact with kubernetes infrastructure and used Terraform templates to launch a cluster of worker nodes.
* Configured **Azure Traffic Manager** to build routing for user traffic Infrastructure Migrations.
* Drive Operational efforts to migrate all legacy services to a fully virtualized Infrastructure.
* **Design and implemented AKS Cluster using Terraform and AzureDevOps pipeline.**
* Written the **Helm charts** for Infra and application Deployment.
* **Integrate Terraform with Helm charts for ISTIO, Nginx controller Kured, pod identity deployment into the AKS cluster.**
* **Written the Terraform modules for various services in the Azure.**
* Implemented infrastructure as code on Azure to automate infrastructure deployment.
* Experience with Azure Cloud Services (PaaS & IaaS), Azure Storage, SQL, Azure, Azure Active Directory, application insights, and logic apps.

**Zenser Technologies,**

**Pune, India**

**Role: DevOps/AWS Engineer** **Dec 2018-July 2020**



**Responsibilities:**

* Provided Configuration support in Production QA and Dev environment
* Worked as a Sr. DevOps Engineer for one of the most complex system. Used **Git, Maven,** **Jenkins, Puppet and Jira** as tools for day-to-day build & release cycles.
* Responsible for Deployment and maintenance of different **QA & UAT environments**.
* Launching Amazon EC2 Cloud Instances using Amazon Images (Linux/ Red Hat) and Configuring launched instances with respect to specific applications.
* Working with AWS services such as **EC2, VPC, RDS, Cloud Watch, CloudFront,** Route53 etc.
* Planning, scheduling and documenting releases at **code Freeze Periods.**
* Creating **CloudWatch** alerts for instances and using them in **Auto scaling** launch configurations.
* Implemented and maintained the monitoring and alerting of production and corporate servers/storage using AWS CloudWatch.
* Designed and implemented scalable, secure cloud architecture based on Amazon web services.
* Launching EC2 Amazon cloud instances using Amazon images (LINUX,UBUNTU)and configuring launched instances with respect to specific applications.
* Configuring and networking of virtual private cloud (VPC).
* Creating S3 buckets and managing policies for S3 buckets and utilized S3 bucket and glacier for storage and backup on AWS.
* Generated scripts in Maven, Perl & Bash Shell for build activities in QA, Staging and Production environments.
* Created Docker images from scratch and customized base images from existing environment configurations and maintaining the image repo for development teams.
* worked on Docker Swarm for managing redundancy, failover and clustering of docker nodes.
* Involved in scrum meetings, product backlog and other scrum activities and artifacts in collaboration with the team.
* Creating Cloud watch alerts for instances and using them in Auto scaling launch configurations.
* Deployment of build artifacts like wars and ears into a WebLogic app server by integrating the WLST scripts to Shell Scripts.

**Pramathi Technologies**

**Role: Build/Release Engineer** **Aug 2015-Dec 2018**

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**Responsibilities:**

* Performed build and release of all software cycles engineering, test, production, update, patches, and maintenance.
* Enforced issue/defect management process using Work Items in Team Foundation Server. Improved productivity by designing & developing full-feature build systems, tools and scripts that enable efficient, flexible builds.
* Created Ant, Perl & UNIX scripts for build activities in QA, Staging and Production environments.
* Deploying J2EE application EAR to Testing and Production environment using WebSphere.
* Automated deployment of software and provisioning of Linux hosts using Chef
* Managed Version Control – SVN and GitHub Enterprise and Automated current build process with Jenkins with proposed Branching strategies to accommodate code in various testing cycles.
* Experience with SVN/CVS, and Git Software Configuration tools (Source Control).
* Extensively used Ant, Maven, Perl and Bash Scripts for automating build and release tasks.
* Developed ANT scripts to support multiple OS and Application servers.
* Developed numerous Tools in Perl, bash and python to automate the build and release processes.
* Installed and configured SVN server on Linux via the Apache Web Server to provide access over the Http protocol.
* Implemented Continuous Integration concepts using Jenkins/Hudson, Cruise Control.
* Created SVN repositories and maintained scripts for creating users with authentication.
* Performed SCM tasks like branching, merging and tagging the source code in SVN.