**GOVARDHANI DASI**  

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**DEVOPS AND CLOUD ENGINEER**

## Professional Summary:

* Passionate and result-driven engineer with 14 years of experience in DevOps.
* Management and Design of integrated build pipelines using continuous integration workflows such as Git, SVN, Jenkins, Ant, Maven, Docker, Nexus and SonarQube.
* Senior Engineer with sophisticated programming skills and a sincere passion for resolving complex issues and business challenges through technical innovation and automation.
* COX security implied rule due to which deployment fails, Network connectivity issues, Node availability issues, service misconfiguration issues, ingress misconfiguration.
* Managed and Maintained kubernetes clusters in a production environment, ensuring high availability and scalability.
* Help customer with issue related to secrets that is access to vault, updating secrets, using API calls to update/delete the secrets.
* I did master-slave configuration and configured jobs based on customer requirements, I did the branching and merging strategies so that the developers would follow when the sprint is started.
* Expertise in Amazon Cloud Services and its features (AWS EC2, VPC, EBS, AMI, snapshots, Auto scaling, Cloud Formation, Lambda, SES, SQS, SNS, RDS, ELB, EBS, Cloud Watch, S3 etc.).
* Jenkins administration and build jobs and deploy jobs configuration. Distributed CI/CD configurations.
* Kubernetes, Docker installations and configuring nodes. Deploying applications on clusters.
* Developed CI/CD pipelines for Java/Nodejs/React applications and created docker images, upload image to amazon elastic container registry ECR and automated deployment in amazon elastic kubernetes service EKS.
* Identifying tools for the CI/CD process and operations architecting them. Participated in architecture discussions and designed projects for smooth run.
* Terraform installations and commissioning and decommissioning on cloud using Jenkins terraform integration.
* Automation for java and .net builds and deployments using Jenkins. Written shell scripts and batch scripts in Jenkins jobs.
* Management and Design of integrated build pipelines using continuous integration workflows such as Git, SVN, Jenkins, Ant, Maven, Ansible, Docker, Nexus and SonarQube.
* Having good knowledge of software configuration management Build and Release Management tasks for all environments and integrating tools.

**Technical skills**

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| --- | --- |
| Programming Languages | C, Java, SQL, HTML, CSS, JAVASCRIPT, JSON. |
| Configuration Management and IaC | Ansible, Terraform, Helm, AWS CloudFormation,ArgoCD, FluxCD |
| AWS Technologies | VPC, IAM, S3, EC2, Lambda, SNS, SQS, Kinesis, EKS, ECS, Route53, CloudFront,  |
| Cloud Technologies | AWS, Azure, GCP |
| Scripting Languages | Bash, Python, Shell Scripting, |
| Databases | Oracle, MySQL, RDS,S3, MongoDB |
| Operating Systems | Windows-XP 7, 8 and 10, Ubuntu, Linux, UNIX, Cloudera, CentOS, MAC. |
| Build & CI Tools | Maven, Gradle, Docker, Kubernetes, Confluence, Atlassian, Jenkins, AWS Code Pipeline. udeploy |
| Version Control Tools | GIT (GitHub, Atlassian Bit bucket, GitLab), Subversion. |
| System Monitoring Tools |  Prometheus, Grafana, Cloud Watch, CloudTrail, ,DataDog. |
| Networking Protocols | HTTP, HTTPS, DHCP, TCP/IP |
| Other Tools | Zendesk, Slack, Jira, Visual Studio, Eclipse, MySQL Server |

**Professional Experience**

**Client: Cox Communications, Atlanta, GA June 2024 to Till Date**

**Role: DevOps Cloud Engineer**

Maintenance of **Kubernetes clusters in GCP , Gitlab, POSTMAN, API Swagger, apigee, NewRelic, Hashicorp Vault, Bitbucket,Google Anthos Env,Docker** and deployments for DEV,QA,STG,UAT,production servers

***Key Achievements:***

* Managed Ubuntu and Linux virtual servers on Google Compute Engine using Chef Server.
* Designed and deployed GCP solutions utilizing Compute Engine, Cloud Storage, Cloud

SQL, Persistent Disks, Load Balancers, and Managed Instance Groups.

* Defined Chef Server and workstation to manage and configure nodes.
* Created infrastructure as code using Google Cloud Deployment Manager.
* Developed Chef Cookbooks for system configuration management.
* Set up monitoring, alerts, and notifications for Compute Engine instances using Google
* Cloud Monitoring and Logging.
* Built and released software baselines, handled code merges, branch and label creation,

and interfaced between development and infrastructure teams.

* Established different environments for builds, including Development, Test, Pre-

production, and Production.

* Executed database deployment activities using database scripts.
* Utilized JIRA for work monitoring and change management.
* Operated within an Agile environment with 2-week sprints.
* Integrated JIRA with Git repositories, enabling pre-commit and post-commit hooks.
* Deployed, managed, and operated scalable, highly available, and fault-tolerant systems

on GCP.

* Migrated existing on-premises applications to GCP.
* Implemented and controlled data flow to and from GCP, selecting appropriate GCP

services based on compute, data, or security requirements, and identifying best practices

for GCP operations.

* Utilized tools like Prometheus and Grafana for monitoring cluster health and application

performance; configured centralized logging with Google Cloud Logging and

Elasticsearch.

* Optimized resource allocation by configuring Kubernetes resource requests and limits,

improving application performance and cost efficiency.

* Implemented security measures such as role-based access control (RBAC), network

policies, and pod security standards to safeguard Kubernetes environments.

* Developed and maintained Helm charts for packaging and deploying applications,

facilitating version control and easier management of application dependencies.

* Supported Kubernetes-related issues, analyzed root causes, and implemented solutions

to enhance system reliability.

* Provided technical support for systems and platforms, following the application SLAs to

ensure timely resolution of any issues.

* Troubleshoot incidents, engaged with teams to address failure patterns, and actively

participated in incident management processes.

**Professional Experience**

**EQUINIX - Sunnyvale, CA July2018 – Feb 2024**

**Role: Devops Engineer**

Maintenance of **Kubernetes cluster, Jenkins, Git,SVN** repositories and code compilations and deployments for DEV,QA,UAT,production servers

***Key Achievements:***

* Equinix organization having many applications under global operations we are maintaining **more than 36 applications of deployments.**
* Managed and leaded the team to develop DevOps dashboards and **kubernetes** cluster’s monitoring using Prometheus and **Grafana**.

## Deploying through various tools for 36 different applications like Jenkins, maven, cloud-based, sonar cube, Jira, GIT, GITHUB, Service now.

* Equinix, Inc. (Nasdaq: EQIX) connects the world’s leading businesses to their customers, employees and partners inside the most interconnected data centers. In 48 markets across five continents, Equinix is where companies come together to realize new opportunities and accelerate their business, IT and cloud strategies. In a digital economy where enterprise business models are increasingly interdependent, interconnection is essential to success.
* Conducted code reviews and provided feedback to team members through GitLab's merge requests
* Implemented CI/CD pipelines to automate the testing and deployment processes.
* Giving approvals for all the env that includes majorly production for the Ctasks and CR’s on daily basis for the production deployments Some of the daily activities include Daily status reports,uptime and downtime communications for all applications . Instance Review Board (IRB) Meetings Sync up calls, CCB activities .
* Deploying the code on various env with multiple tools both manual and auto deployments that includes salesforce sandbox deployments and post deployment steps .
* Team management, delivery timelines, deployment frequency, lead time, etc
* Terraform installations and commissioning and decommissioning on cloud using Jenkins terraform integration.
* Experience with multiple monitoring platforms, including and Cloudwatch and Datadog
* Documented system configurations, Instance, OS, and AMI build practices, backup procedures, troubleshooting guides, and keep infrastructure and architecture drawings current with changes.
* Application metrics and configured for Datadog and Jenkins server configured in Datadog.
* Worked as a Production support for many releases and worked as a standby release management.
* Developed and maintained ECS task definitions, services, and clusters to ensure scalable and reliable application deployments.
* Deployed and managed Kubernetes clusters on Google Kubernetes Engine (GKE), enabling containerized application orchestration and scalability on GCP.

**IBM** **Nov** **2015 – May 2018**

**Role: Build and Release Engineer – Herz & Barclay's**

#### A configuration Management Project requiring maintenance, compile, build, installation and promotion of heterogeneous code involving technologies like TFS, GIT, SCCD, Jenkins Tool, knowledge on AWS.

1. ***Key Achievements:***

I was part of the **Hertz** activities from Apr-16 to till 2018 date gained considerable system and functional knowledge about the flow of various releases handled in Dollar Thrifty Automotive Group (DTG) applications.

* I Have involved in DTG Releases for all Applications like Dollar, thrifty, Consumer services, Mobile.
* Supported the Car sales and hertz24/7 Projects for release activities.
* In Prod Release Process (Creating the Safe copy scripts) for all applications.
* It uses a file with extension. JOB. The file contains the backup location, the source server,
* the destination server, and the list of files (with path) that need to be promoted in the release.
* It tries to back up the file on a location specified by the JOB file.
* Troubleshooting the deployment issues.
* Handling the Normal Release & Emergency Releases.
* Executing daily build and deployments in Non-Production Environments.
* Analyzes applications on-boarding/support requests and provide solution.
* Create/Close change tickets in SCCD Tool, Follow up with Hertz Help desk people.
* Responsible for the end to end Release support of dollar.com and thrifty.com, Consumer services .
* Managed end-to-end deployment processes using **IBM UrbanCode Deploy**, ensuring efficient and reliable delivery of software releases.
* Configured and maintained **environments and components** within UrbanCode Deploy for various applications and infrastructure stacks.
* Manage the permission for users and can control their level of operation with in account.

**Cognizant Technology Solutions Jun 2013 – May 2015**

**Role: Build Engineer - Staples Stores**

1. ***Key Achievements:***
* Handling code compilations in various environments and deployments in various environments.
* Implemented Configuration Management processes.
* Executing daily build and deployments in Non-Production/production Environments.
* Following up and resolving incident tickets raised by user.
* Handled the Non-Production outages efficiently. Apart from deployments, need to involve all the respective .
* Effectively communicating and managing expectations of the customer during the planning and rollout of new releases.
* Handling code compilations in various environments and deployments in various environments.
* Compilations of c, java, UNIX, SQL scripts, for all applications up to production environments.
* Tibco administration like deployments from Tibco console.
* WebLogic administration deploying applications and connection pool settings and logs deletion.
* Coordinating with various teams that includes stake holders and business teams to plan the releases for next iterations.

**Citigroup Private Banking, Singapore Jan 2011 – May 2013**

**Role: System Engineer – EOASIS, GWM (Global Wealth Management)**

(Electronics On-line Automated Securities Information System Web Logic 8) is complete solution provider for automating Loan product programs for Corporate and Retail Banks and other Financial Institutions

Citibank, a major international bank, is the consumer banking arm of financial services giant Citigroup. Citibank has retail banking operations in more than 100 countries and territories around the world. In addition to the standard banking transactions, Citibank offers insurance, credit cards and investment products. Their online services division is among the most successful in the field, [citation needed] claiming about 15 million users

Flex cube FX/MM Product processor (Flex cube FX/MM PP) is a strategic system for Citigroup. The systems consist of many components incorporating the Online Processing with User Interface and a main batch processing and intranet screens in the near future.

1. ***Key Achievements:***
* Software Configuration Management (Team Member) for Citigroup Projects.
* Implemented Configuration Management processes.
* Life cycle automation of Build and Release of Citigroup products built on Java, J2EE, using Ant, XML, Shell scripts.
* Prepared Build automation scripts for various Citigroup financial products.
* Packaging & Deployment of applications using Hermes build framework on Solaris
* Created recommended policies and procedures for PVCS environments.
* Helped users in creating views, branches, labels and merging strategies.
* Responsible for creating / maintaining the build scripts.
* Maintain a record of all the baselines builds and Releases for oreas application. Prepare Release Notes for oasis and release the same along with the deliverables to the client after approval from the CCA.
* Compilation, builds and packaging for a release on client side.
* Conducting Software Configuration Audits.
* Life cycle automation of Build and Release of Citigroup products built on Java, J2EE, using Ant, XML, Shell scripts.
* Created recommended policies and procedures for PVCS environments.
* Helped users in creating views, branches, labels and merging strategies.
* Daily support to user (offshore, onsite, QA teams) problems and maintaining the environment.
* Responsible for creating / maintaining the build scripts.