**Senior DevOps /SRE Engineer**

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**PROFESSIONAL EXPERIENCE**

* **11+** Years of experience in IT industry as DevOps/Cloud Security Role, Build/Release Management, Software Integration, Configuration, Release Engineer, Change/Incident Management, Open source technologies and Cloud Management.
* Designed, configured and managed public/private cloud infrastructures utilizing Amazon Web Services (AWS)including EC2, Auto-Scaling in launching EC2 instances, Elastic Load Balancer, S3, Cloud Front, RDS, VPC, Direct Connect, Route53, Cloud Watch, Cloud Formation, IAM, SNS.
* Worked in SCM tools - Ansible for Deployment on Multiple platforms.
* Implemented continuous integration with Jenkins, TeamCity, Hudson and End-to- End automation for all Build and deployments.
* Actively involved in each phase of Software Development Life cycle (SDLC).
* Strongly hands on experience in scripting such as - Groovy, UNIX Bash, Shell Scripting.
* Extensive experience using MAVEN and Gradle as build tools for the building of deployable artifacts from source code. And good exposer in Android platform and build tools.
* Experience in Nexus and Artifactory Repository for Maven and Gradle builds.
* Experience in using Bug tracking tools like JIRA, Remedy.
* Experience and knowledge of Cloud Management Platform (IaaS, PaaS, SaaS).
* Worked on AWS Cloud Formation templates to using Terraform with existing plugins. To ensure successful deployment of templates.
* Experience in building private cloud infrastructure of OpenStack, deploying through Ansible and maintaining them in production.
* Deploying microservices with Docker and Kubernetes, automating infrastructure provisioning and configuration.
* Created and wrote shell scripts Bash, Python and PowerShell for automating tasks.
* Strong knowledge on source controller concepts like Branches, Merges and Tags.
* Experience hosting an application on GCP using Compute engine, App Engine, Cloud SQL, Google Kubernetes Engine (GKE), Cloud Storage.
* Good understanding of cloud design considerations and limitations and its impact on pricing.
* Streamlined installation of Open Shift on partner cloud infrastructure such as AWS and GCP.
* Experience in Setting up Application Tier, Build Controllers, Build Agents in Team foundation Server.
* Proficient in deep analysis of existing tools that are integrated used with CVS (defect tracking (Bugzilla), continuous integration (Jenkins), etc.), reviewing the feature set.
* Installed/configured/managed Jenkins master/agent. Wrote custom modules and manifests, downloaded pre-written modules.
* Support and enhance SDLC by using Docker containers delivered with Open shift for Web application deploy.
* Experience on Deployment Automation & Containerization (Puppet, Docker, Kubernetes).
* Used Nagios, and CloudWatch for monitoring/metric collection for applications in a Cloud based environment.
* Documented Daily meetings, Build reports, Release Notes and many other day-today documentation and Status Reports.

**TECHNICAL QUALIFICATIONS**

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| --- | --- |
| Version Control Tools : | GIT (GitHub, Atlassian bit bucket, GitLab), Subversion, CVS |
| Configuration management : | Ansible |
| System Monitoring Tools : | Kibana, Nagios, Grafana, Cloud Watch |
| Build & CI Tools : | Maven, Gradle, Docker, Kubernetes, TeamCity, Confluence, Atlassian, Jenkins, Hudson, Build Forge, Atlassian Bamboo |
| CD Tools : | Custom Tools, RPM, YUM, NPM |
| Bug tracking Tools : | Atlassian JIRA, REMEDY, Bug tracker |
| Cloud Technologies : | AWS ,Azure, Google Cloud, IaaS, PaaS, SaaS |
| Scripting Languages : | Bash, Python, Shell Scripting, Groovy |
| Web Application Servers & : Technologies | Apache Web Server on Windows, IIS, Linux and Solaris, Web Logic, JBOSS, Tomcat, Apache 2.x, 3.x |
| Middleware File Systems : | WebSphere and Tomcat, UFS, VMware, vSphere |
| Databases : | Oracle 10.x, SQL Server 2005, 2008, MS Access, MySQL 5.0.2 |
| Operating Systems : | UNIX, Linux, WINDOWS NT/2000/2003/XP/vista/7, Red Hat Linux 5.x/6.x/7 Ubuntu, Centos, Windows Server 2003/2008/2012 |

**WORK EXPERIENCE**

Client: 7-Eleven, Irving-Texas. Feb 2023 – Present

Role: Sr. SRE Engineer

7‑Eleven showed the world just how convenient shopping could be – and we’ve been doing it every day since. Today, 7‑Eleven is a global brand with more stores than any other retailer in the world – more than 83,000 across 19 countries to be exact. 7‑Eleven, Inc. now operates a robust family of banners and brands, including Speedway®, Stripes®, Laredo Taco Company® and Raise the locations throughout the U.S.

**Responsibilities:**

* Responsible for build and release CI/CD environments from scratch for multiple products using GIT, Jenkins, Maven, AWS, Ansible, Terraform, Docker, Kubernetes, Jira.
* Created self-service jobs in Jenkins (pipeline jobs) which run the entire CI/CD pipeline workflow.
* Handling production environment by monitoring availability and taking a holistic view of system health. This could include anything from adjustments to monitoring and alerting to the development of tools needed to monitor the environment.
* Partner with development teams to improve services through monitoring and release procedures.
* Measure and optimize system performance, with an eye toward pushing our capabilities forward, getting ahead of our customer’s needs, and innovating for continual improvement.
* Participate and/or lead incident calls to help resolve production level issues.
* Provide primary operational support and engineering for multiple large-scale distributed software applications.
* Documentation of knowledge and processes, such as runbooks.
* Conduct post-incident reviews to document findings and then take actions on their learnings.
* Excel in individual contribution under minimal supervision.
* Participate in on-call rotations to support a 24/7 production environment.
* Proactively seeks opportunities to implement improvements to internal development processes.
* Identify areas of improvement in the existing CI/CD pipeline and work towards reducing the overall build time.
* Responsible for implementing monitoring solutions in Ansible, Terraform, Docker, and Jenkins.
* Integrated Configuration Management, Change Management and Continuous Integration, Continuous Deployment, Application Monitoring and Automated Dashboards.
* Working on Multiple AWS instances, set the security groups, Elastic Load Balancer and AMI’s, Auto scaling to design cost-effective, fault-tolerant and highly available systems. .
* Developing AWS cloud formation templates and setting up Auto scaling for EC2 instances
* Responsible for Installing, Configuring and administering Jenkins CI tool on AWS EC2 instances.
* Configure Jenkins to build CI/CD pipeline which includes auto triggering builds, Creating the Docker Container, Pushing Docker container to the Docker Registry.
* Developed end to end seamless architecture with strong knowledge on login authentications (IAM), cloud network and security protocols.
* Implement container technologies like Docker.
* Deploy code to pre-production and production environments.

Environment: Jenkins, AWS, Kubernetes, AWS EKS, Jira, GitLab, GIT, Docker, Shell Scripting, Helm, Terraform, Ansible, Splunk.

Client: Verizon, Irving-Texas. May 2022 – Jan 2023

Role: Sr. SRE Engineer

Responsibilities:

* Responsible for build and release CI/CD environments from scratch for multiple products using GIT, Jenkins, Maven, Gradle, Vagrant, AWS, Ansible, Terraform, Docker, Kubernetes, Jira, Slack.
* Develop deployment pipelines on to AWS for Linux machines using AWS cloud formation, Jenkins, Ansible, Chief.
* Created self-service jobs in Jenkins (pipeline jobs) which run the entire CI/CD pipeline workflow.
* Proactively seeks opportunities to implement improvements to internal development processes.
* Identify areas of improvement in the existing CI/CD pipeline and work towards reducing the overall build time.
* Responsible for implementing monitoring solutions in Ansible, Terraform, Docker, and Jenkins.
* Integrated Configuration Management, Change Management and Continuous Integration, Continuous Deployment, Application Monitoring and Automated Dashboards.
* Working on Multiple AWS instances, set the security groups, Elastic Load Balancer and AMI’s, Auto scaling to design cost-effective, fault-tolerant and highly available systems.
* Manage IAM policies, provide access to various AWS resources; design and refine the workflows used to grant access.
* Assisted in installation, assembling and maintenance of latest versions of Jboss application server.
* Building architecture to log, monitor and alert network, storage and security vulnerabilities and activities in cloud infrastructure as well in the application.
* Write terraform scripts from scratch for building Dev, Staging, Prod environments.
* Provisioned the highly available EC2 Instances using Terraform and cloud formation and wrote new plugins to support new functionality in Terraform.
* Executed process of installing and maintenance of apache servers and Jboss application servers.
* Automated WAR deployment procedure in production environment running on Jboss EAP 5.x using UNIX shell script.
* Used Terraform for building the AWS Infrastructure.
* Experience in designing Kubernetes cluster using AWS-Kops (EKS) and configuring and deploy.
* Developing AWS cloud formation templates and setting up Auto scaling for EC2 instances
* Responsible for Installing, Configuring and administering Jenkins CI tool on AWS EC2 instances.
* Designing, enhancing and maintaining established process and procedure of service design for assuring appropriate and sustainable architecture of the application.
* Configure Jenkins to build CI/CD pipeline which includes auto triggering builds, Creating the Docker Container, Pushing Docker container to the Docker Registry.
* Developed end to end seamless architecture with strong knowledge on login authentications (IAM), cloud network and security protocols.
* Develop Deployment Pipelines on AWS for Linux architecture using Chef, Puppet, Ansible, Jenkins, AWS Cloud Formation, AWS SDK and various other tools.
* Implement container technologies like Docker.
* Deploy code to pre-production and production environments.

Environment: Jenkins, AWS, Kubernetes, AWS EKS, Jira, GitLab, GIT, Docker, Shell Scripting, Helm, Terraform, Ansible, Splunk.

Client: TTEC, Feb 2020 - May 2022

Role: Sr. SRE/DevOps Engineer

Ttec is a leading global customer experience technology and services company focused on the design, implementation and delivery of transformative customer experience for many of the world’s most iconic and disruptive brands. We deliver outcome-based customer engagement solutions through TTEC Digital. As a lead I am responsible to move portal applications to cloud and K8 using automation tools like Jenkins and containerization tool like Docker and make sure to solve all the product related issues on time by leading a team.

Roles & Responsibilities:

* Create Google Cloud VPC, subnets, configure NAT gateways, configured firewall rules
* Managed IAM and security on GCP - creating custom roles for selective access, managing service accounts
* Configured and automated snapshots for VMs, restored VMs from snapshots on demand
* Provisioned CloudSQL instances, configured high availability, backups
* Configured Stack Driver custom agents and monitoring dashboards
* Configured Autoscaling, deployed highly available and scalable applications on GCP
* Participated in CI/CD using Jenkins, Docker and Kubernetes.
* Configured the AppDynamics monitoring tools with JBoss/WebLogic/Tomcat Application servers.
* Create and Monitor service availability (i.e. Application, Service, server availability) through AppDynamics.

**Environment:** Jenkins, GCP, AWS, Kubernetes, AWS EKS, GKE, Jira, GitLab, GIT, Docker, Shell Scripting, Helm, Terraform, Ansible, App Dynamics Maven, Nexus, ServiceNow.

Client: FLO TECHNOLOGIES,

Role: Cloud/DevOps Engineer

February 2019 - NOV 2019

Flo Technologies is a Product based Organization working on Water Flo detect devices. To let us know “See how much water you’re consuming with daily trends. Set conservation goals to encourage saving water and money. Going out of town or filling your pool? Adjust your mode to Away or Sleep so the system can better protect you”. It’s a data science project doing analysis on usage data of a Flo device.

Roles & Responsibilities:

* Create Google Cloud VPC, configure NAT gateways, configured firewall rules
* Managed IAM and security on GCP - creating custom roles for selective access, managing service accounts
* Configured and automated snapshots for VMs, restored VMs from snapshots on demand
* Provisioned CloudSQL instances, configured high availability, backups
* Configured Stack Driver custom agents and monitoring dashboards
* Configured Autoscaling, deployed highly available and scalable applications on GCP
* Participated in CI/CD using Cloud Build, Docker and Kubernetes.
* Worked to create highly scalable jobs(at a time 15000+ jobs) in Kubernetes for a data science analysis
* Worked to reduce a cost of project consumption
* Worked on Google Cloud Functions and Google EndPoints to serve an API to Outside world.

**Environment:** Jenkins, GCP, Kubernetes, Jira, GitLab, GIT, Docker, Shell Scripting, Helm, Terraform, Ansible, Maven, ServiceNow.

**Client: Vattenfall, Sweden**

**Role: DevOps Engineer**

May 2017 – Jan 2019

Vattenfall is a Swedish power company, wholly owned by the Swedish government. Beyond Sweden, the company generates power in Denmark, Finland, Germany, the Netherlands, Poland, and the United Kingdom. Here we are maintaining the various highly secured servers by monitoring the tools which was developed on our own.

**Roles& Responsibilities:**

* Implemented Testing environments for kubernetes and administrated the kubernetes clusters.
* Deployed and orchestrated the applications with Kubernetes.
* Creating Cloud Watch alerts for instance and utilizing them in Auto-scaling launch configurations.
* Created, implemented, and presented to the team the tools that were used to work with Azure DevOps.
* Used a stock image gallery where we stored the generated images and developed Azure pipelines in Azure DevOps to implement these Azure services.
* Created and maintained cross-environment CI using VSTS, enabling code to be deployed securely to Azure Kubernetes (AKS) using YAML scripting.
* Created build scripts and deployment using Maven, activation via Jenkins for environment-to-environment integration.
* Implemented tracking tools for Azure monitoring, including an alert system.
* Developed an ARM template that allowed resources to be deployed to Azure using PowerShell and CI using VSTS.
* Used file module in Ansible playbook to copy and remove files on remote systems.
* Utilized Ansible and Ansible Tower as Configuration management tool, to automate repetitive tasks, quickly deploys critical applications, and proactively manages change.
* Implemented a Continuous Delivery pipeline with Docker and AWS.
* Experience with building containerized applications using Docker images.
* Management and design of integrated build pipelines using continuous integration workflows such as Jira, Git, Jenkins, Docker, and Nexus.
* Develop multiple, Ansible playbooks to automate the deployment of the applications to different Prod/QA Environments.
* Deployed applications through Tomcat Application servers.
* Build pipeline design and optimization: GIT, Maven, and Nexus for application deployments.
* 24/7 on call supports for emergency site maintenance and immediate build and install requests.
* Manage the integration of new software projects and products into the built environment.
* Setting up AKS cluster and looking on issues related to kubernetes nodes and Pods
* Worked on Azure devops pipeline and deployed several application using agents.
* Worked on storage and setting up FTP using blob storage.
* Maintained backups in Axure storage area.

**Environment:** Jenkins, AWS, Azure, Kubernetes, AWS EKS, Jira, GitLab, GIT, Docker, Shell Scripting, Helm, Terraform, Ansible, App Dynamics Maven, ServiceNow.

**Client: GREYHOUNDS** February 2016- April 2017

**Role:** Build & Release Engineer

**Responsibilities:**

* Setting up the automation environment for Application team if necessary and help them through the process of build and release automation.
* Performed POC on Ansible to demonstrate a fastest way to initiate automation service. Created playbooks for OpenStack deployments and bug fixes with Chef.
* Automated the build and release management process including monitoring changes between releases.
* Setup Jenkins to integrate the JAVA project and maintain it with continuous integration and deployment.
* Worked on Tomcat Web server for hosting web apps and used ansible for configure and maintain it.
* Responsible to check the Splunk logs for web server to avoid server time down during production are used to monitor application and server health.
* Extensive experience on setting up the Splunk to monitor the track the customer activity and volume.
* Heavy Shell, Perl, Python, Groovy and JSON scripting.
* Involved in setting up Puppet Master/Client to automate installation and configuration across the environment. Installed and configured an automated tool that Puppet included the installation and configuration of the Puppet master, agent nodes and an admin control workstation.
* Created and updated puppet manifests and modules, files, and packages stored in the GIT repository.

**Environment:** Jenkins, CI/CD, Kubernetes, Docker, Shell.

**Client: DHL**

**Role:** Build & release Engineer

July 2012 - Feb 2016

**Roles& Responsibilities:**

* Managing shifts to deliver the best practices as form of service request & incidents. Creating and managing AD object, Resource Accounts, Access related issue.
* Use project’s best practices and standards to deliver the client. Following compliances issue
* Remove technical challenges and issue related Active Directory and Exchange.
* Creating and updating flow documents in compliance with the quality standards followed within the organization.
* Handling high priority requests via emails, security measures and safeguarding the information

**Environment:** Linux, Webmethods, Service now, JIRA.

**EDUCATION:**

Completed Graduation(B.TECH) from JNTU Kakinada University - 2012