**Abhinav S**

**Lead/ Sr. AWS Cloud/ DevOps Engineer**

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**Professional Summary:**

* 9 + Years of IT experience as a **DevOps Engineer** in CI (**Continuous Integration**), CD (**Continuous Delivery**) and strong knowledge in solving complex problems with creative solutions, supporting development and operation environments.
* Experience in **Amazon AWS Cloud** which includes services: **EC2, VPC, Route 53, S3, RDS, Dynamo DB, IAM, Cloud Watch, ELB, EBS, Lambda, SNS, SES, SQS, Glue and Cloud Formation**.
* Experience with **Jenkins** for **CICD**.
* Experience with **AWS**, **Azure** and **GCP** automation **APIs**.
* Worked with **Microsoft** **Windows** functionality and provided support with maintaining reliability for both **JAVA** and **Python** based **Cloud** applications.
* Worked with monitoring tool administration on **JIRA** and **Splunk** with **Dynatrace**.
* Experience in **Google Cloud Platform** (GCP): Container engine, Kubernetes Engine, Google SDK.
* Strong experience in **CI** (Continuous Integration)/**CD** (Continuous Delivery) software development pipeline stages like Commit Build, Automated Tests, and Deploy in multiple environments like Dev, QA, and Pre-Prod & Prod.
* Experience in The AWS CLI is a command-line tool for interacting with AWS services with the AWS CLI with automating tasks, scripting, and managing AWS resources from the command line **Lambda Server less**.
* Extensive experience working with the **Configuration/Deployment** Tools like **ANSIBLE** (Playbook, inventory) and **CHEF** (Knife, recipe, cookbook).
* Expertise in **AWS Cloud** **IaaS** stage with components **VPC**, **ELB**, Security Groups, EBS, AMI, Cloud Watch, Cloud Front and Direct Connect.
* Experience working with **Chef** Enterprise and **Chef** Open Source, **Chef** DK, Chef Workstation, Chef Server, Chef-Client.
* Experience in **Lambda Server less** with event-driven architectures, where functions are triggered by events such as changes in data, HTTP requests, or other custom events.
* Experience with **REDHAT Open shift** infrastructure. Orchestrated the **CI/CD** life cycles for several new and existing Applications.
* Experience with setting up **Kibana**, **Grafana**, **Prometheus** and **ELK** stack.
* Strong experience with troubleshooting **AWS** infrastructure and log-based monitoring.
* Working Experience on **Azure** Storage, **SQL** **Azure** and in different PaaS Solutions with Web, and worker Roles and **Azure Web Apps.**
* Expertise in **Automation** of various day-to-day administration task by developing **Bash, Ruby, Perl, PowerShell**, and **Python** Scripts.
* In-depth and extensive knowledge of **Splunk** architecture and various components (indexer, forwarder, search head, deployment server), Heavy and Universal forwarder, License model.
* Experience in working with container-based deployments using **Docker**, **Docker** images, **Docker** file, **Docker** Hub, **Docker** Compose and **Docker** registries.
* Experience in managing and setting up **Continuous Integration** using tools like **Jenkins**/**Hudson** and **Bamboo**.
* Build servers using **AWS** which includes importing necessary volumes, launching the **EC2** instance,
* Extensive experience automating tasks using scripting languages like **Shell, PowerShell, Python, Ruby and Perl**, **YAML, Groovy, JSON, HTML and XML.**
* Experience working with **AWS** **Cloud** computing and involved in creating **AWS** instances and Worked on Multiple **AWS** instances, setting up the security groups, **Elastic** **Load** **Balancer** and **AMIs**, Auto scaling to design cost effective, fault tolerant and highly available systems.
* Experience in Branching, Merging, Tagging and maintaining the version across the environments using **SCM** tools like Subversion (**SVN**), GIT (**GitHub**, **GitLab**).
* Experience in setting monitoring tool like **Cloud Watch** and **Nagios** to maintain various environments.
* Expertise in Source Code Management tools such as **SVN**, **GIT** and **TFS** administration.
* Expertise in using build tools like **MAVEN**, **ANT** & **SonarQube** for the building of deployable artifacts such as war & ear from source code. Good knowledge on languages **Python, Java, C, C++, Perl, Shell, XML and Ruby.**
* SREs often work with Linux-based systems. Your experience with Linux is crucial for tasks such as system monitoring, troubleshooting, and performance tuning
* Experience in using **MAVEN**, **ANT** as build tools for writing **build.xml** and pom.xml and building of deployable
* Artifacts from source code and administering and configuring **Nexus** Repository Manager for **Maven** builds.
* Experience on **Grafana and robo3T** on working on Site Reliability with some of applications involving with devops
* Worked with **Docker** and **Kubernetes** on multiple cloud providers, from helping developers build and containerize their application (**CI/CD**) to deploying either on public or private cloud.
* Managing microservices for a retail web application on the AWS platform with a microservices architecture involves several strategic consideration
* Provide strategic support and managing Micro services for Retail web applications on AWS platform with Microservices architecture
* **DevOps** Practice for **Micro Services** using **Kubernetes** as Orchestrator and container orchestration with Docker.
* Utilization of tools such as **Splunk**, **AppDynamics**, and **Nagios**, as well as create tools via bash scripting, to identify opportunities for pro-active support and minimization of down/outage time
* Ability to work closely with teams in order to ensure high quality and timely delivery of builds and releases.
* Strong ability to troubleshoot any issues generated while building, deploying and in production support.
* Good knowledge on **ITIL** Process and have worked on coordinating releases across the project.

**Technical Skills:**

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| **OS Administration** | RHEL, Solaris, Ubuntu, Windows Server. |
| **Database** | Oracle Database 10/11 g, SQL SERVER, MY SQL. |
| **Programming Languages** | Python (Flask, Django), Java, Salt Stack |
| **Infrastructure as A service** | OCI, AWS – (VPC, IAM, S3, ROUTE53, ECS, EKS), GCP |
| **Container technologies** | Docker, Kubernetes, Open Shift. |
| **Virtualization Platforms** | Virtual Box, VMware VSphere, Vagrant. |
| **Configuration management** | Ansible, Salt Stack. |
| **CI & Build Systems** | Ant, Maven, SonarQube, Jenkins, Bamboo, GITLAB |
| **Testing Tools** | SonarQube, JUnit and JMeter. |
| **Application/Web Servers** | WebLogic, Tomcat, IIS, JBoss, Apache, Web Sphere |
| **Scripting Languages** | Bash, Power Shell, Ruby, Python, Groovy |
| **Logging** | Splunk, Nagios, Logic Monitor |
| **Process & Practices** | Agile, DevOps, SRE, DevSecOps, DataOps, MLOps, AIOps, GitOps |
| **Version Control Software** | GIT, SVN, Perforce, Bitbucket and TFS, GitOps |
| **Bug Tracking Tools** | JIRA, Bridge Clarify, HP Quality Ce.nter |

**Professional Experience:**

**Client: Capco financial, FL Jun 2023 – Present**

**Role: Lead SRE Engineer**

**Responsibilities:**

* Worked with acusite platform as a **lead AWS SRE** to resolve potential issues in the infrastructure.
* Worked with **Jenkins** build pipelines on for **API** and admin pipelines for prudential platform.
* Worked with automating the tasks using **AWS** elastic container service.
* Worked with setting up **DNS** **imperva** service for highpeakai.com platform which is an artificial intelligence service.
* Supported web applications as Site Reliability Engineer (SRE) combination of skills related to infrastructure, operations, and application development. JavaScript and Java can be in an SRE role focused on web applications
* Experience in Linux, Objective-C, Android, and Java can be in the context of Site Reliability Engineering (SRE).
* Created REST APIs that support both XML and JSON formats is a common practice to provide flexibility for different clients and use cases.
* Site Reliability Engineering (SRE), ensured the reliability, scalability, and performance of REST APIs is crucial and best practices for designing and implementing REST APIs that support both XML and JSON formats
* Worked on AWS Lambda is a serverless computing service that allows to run code without provisioning or managing servers.
* Worked with troubleshooting acusite-api related pipelines for backend infrastructure.
* Worked with **IAM, Route53, SSL certs**, **AWS** security and cloud formation infra stack, **Elastic** container registry and **Elastic** container services.
* Node.js is a runtime that allows you to execute JavaScript on the server side
* Worked with backend infrastructure provisioning using **terraform**.
* Worked with troubleshooting critical issues in **python** and java-based environments.
* Performed active monitoring for **Kafka** deployments continuously for user impact tracking.
* Performed testing, analysis, tuning, and improvements critical aspects of Site Reliability Engineering (SRE) that aim to ensure the optimal functioning of applications and systems
* Used Tools like New Relic, Dynatrace, and AppDynamics are commonly used for monitoring, analyzing, and optimizing the performance of applications
* Packaged management of workflows are essential for managing software installed the updates, and dependencies on Unix-like systems
* Experience in AWS Key Management Service (KMS), Application Load Balancer (ALB)/Elastic Load Balancer (ELB), Route 53, and Virtual Private Cloud (VPC) suggests a well-rounded understanding of critical AWS services related to security, networking, and infrastructure **Lambda Serverless**.
* Differentiated Linux distributions uses different package management tools. Two common package management systems are Aptitude/dpkg, used in Debian-based distributions, and Yum/RPM, used in Red Hat-based distributions.
* Experience deploying and managing EC2 instances, which are virtual servers in the AWS cloud. involves selecting instance types, configuring security groups, managing storage (EBS volumes), and ensuring high availability **Lambda** .
* Worked on Single Sign-On (SSO) technologies role in Site Reliability Engineering (SRE) by enhancing security, user experience, and system manageability.
* Worked on SSO-related technologies: LDAP (Lightweight Directory Access Protocol), SSL/TLS (Secure Sockets Layer/Transport Layer Security), and OpenDirectory. Used in SRE
* Worked on NFS (Network File System), NTP (Network Time Protocol), Apache, and Nginx, are integral components for building and maintaining reliable and scalable Unix-based systems
* SRE Security frameworks like IPTables, Nessus, and Nmap are tools used in the field of Site Reliability Engineering (SRE) for network security, monitoring, and vulnerability assessment.
* Experience with services suggests an ability to design and implement scalable, resilient, and integrated architectures in the AWS cloud **Lambda Serverless**
* Monitored systems and frameworks plays role in Site Reliability Engineering (SRE) by providing visibility into the health, performance, and reliability of systems and applications.
* Monitored systems and frameworks, including Real User Monitoring (RUM), Sumo Logic, Nagios, ELK Stack, and Graphite
* Experience with Lambda indicates proficiency in event-driven programming, microservices architecture, and serverless application development.
* Worked on **Grafana** open-source platform for monitoring and observability in SRE.
* Experience in Robo 3T is a graphical user interface (GUI) for MongoDB, a NoSQL database provides a convenient way to interact with MongoDB databases in SRE .
* Worked on proactively identify and respond to specific conditions or events within their systems. While popular monitoring systems and Content Delivery Networks (CDNs)
* Experience in Node.js comfortable with event-driven, non-blocking I/O programming, which is particularly useful in serverless architectures
* Oftened provide standards alerting capabilities, custom alerts can be tailored to the unique requirements of your infrastructure and applications.
* Worked on Caching strategies for improving the performance and responsiveness of web applications.
* Site Reliability Engineers (SREs) often leverage various caching solutions to optimize content delivery and reduce the load on backend systems of common caching strategies
* Used CDN (Content Delivery Network), Varnish, Memcached, and Redis
* Worked on high availability (HA) strategies, including the use of technologies like HAProxy, Global Traffic Management (GTM), multiple datacenters, GeoDNS, and designing for failure-resistant architectures
* Worked on KMS is a managed service that makes it easy for to create and control the encryption keys used to encrypt the data.
* Worked on strategies for ensuring that systems remain available and performant even in the face of various failures or disruptions.
* Experienced in Agile Software Development are two distinct yet complementary approaches. While Agile focuses on iterative and collaborative software development, SRE
* Focused on reliability, scalability, and maintaining the operational health of systems. Integrating these two methodologies involves aligning SRE practices
* Worked on Agile principles to ensure that software development and operational considerations are well-coordinated.
* Worked with Virtual Private Cloud (VPC) components, such as subnets, route tables, and security groups, suggests expertise in designing and configuring network architectures in AWS to isolate and secure resources **Lambda Serverless.**
* Operated and maintaining large-scale databases responsibility for Site Reliability Engineers (SREs). Each database technology has its own set of characteristics, strengths, and challenges.
* Worked with **Bitbucket**, **Jira**, **Jenkins** build release tools and **aws** **cloud** watch.
* Worked with cloud bees **build** **release** infrastructure tools.
* Site Reliability Engineering (SRE) involves using software engineering practices to design and maintain scalable and reliable systems. Scripting languages like Ruby, Perl, Python, Bash, Awk, and PHP are valuable tools for SRE tasks. languages might be used in the context of SRE
* (SRE), the management of elastic cloud resources, virtualization, and related technologies is fundamented for ensuring the reliability, scalability, and performance of systems.
* SRE principles and practices apply to specific technologies like Elastic Cloud, Virtualization, and various cloud providers
* Builded automated and deploymented pipelines is a critical aspect of Site Reliability Engineering (SRE). Jenkins and Kubernetes are popular tools in this domain
* Worked on Systems automation and provisioning frameworks play a role in the realm of Site Reliability Engineering (SRE) by automating the setup, configuration, and management of infrastructure. Chef and Puppet are two popular configuration management tools, and there are others like Ansible and SaltStack
* Monitored system performance using Nagios, maintained **Nagios** servers, and added new services & servers.
* Experience in the virtual infrastructure domain within AWS aligns with best practices for building scalable, secure, and cost-effective cloud solutions. Staying updated with the latest AWS services and features in **Lambda Serverless.**
* Built and managed a highly available monitoring infrastructure to monitor different application servers like **JBoss**, **Apache** **Tomcat** and its components using **Nagios**.
* Wrote **Ansible** handlers with multiple tasks to trigger multiple handlers and to decouple handlers from their names, making it easier to share handlers among **Playbooks** and Roles.
* Worked with **Shell** **Scripting** (sh, bash, csh, ksh), scripting and support in impact polices and enrichment.
* Used **Jira** as defect tracking system and configure various workflows, customizations, and plugins for Jira
* Managed production environments on cloud platforms, including AWS or other PaaS (Platform as a Service) layers, for enterprise systems and revenue-generating platforms like E-commerce, Mobile, and Point of Sale (PoS) involves a range of responsibilities
* Owned the automation of the infrastructure platform and driving the development of new features for your cloud platform is a critical role that involves a combination of infrastructure as code (IaC), DevOps practices, and continuous improvement
* Worked on Applications servers played role in hosting and managing web applications. including Apache, Tomcat, JBoss, Jetty, and WebLogic
* (SRE) continued to be an evolving discipline. SRE is an approach to running large-scale, reliable services that originated at Google and is focused on creating scalable and highly reliable software systems
* bug/issue tracker integrated Jenkins with Jira, GitHub.

**Environment:** AWS, XML, Shell Scripting, PowerShell, JFrog Artifactory, Jenkins, Terraform, Maven, Ansible, Git, GitHub, Docker, Kubernetes, JBoss, Apache Tomcat, Windows Server, TFS, VSTS, LDAP, Nagios, Jira

**Client: VMware Inc, CA Jan 2022 – Mar 2023**

**Role: Lead Build Release/ DevOps Engineer**

**Responsibilities:**

* Worked with **Migrating** more than 30 + services from traditional **CICD** to runway-ci based pipelines.
* Working experience with VMWare cloud infrastructure which is supported by **AWS**.
* Worked with **Kibana**, **Grafana** and **AI** based operational applications (**VMWare** Lint & log insight).
* Worked with **groovy** pipelines for **VMware** **horizon** and **Tanzu** platforms.
* Worked with data distribution modules which use **Kafka** based event streaming.
* Mentored backend team which was responsible for configuring backend services on multiple new regions.
* Written Configuration files for reverse proxy handling and load balancing using **YAML** in ansible **playbooks**.
* Experience in Scripting in cloud-based environments for automation, configuration management, and other tasks with **Lambda**
* Worked with incident management teams to resolve java-based applications and incident management.
* Mentoring and Knowledge transfer for **SRE** team on time-to-time basis over new **SLA’s** and objectives.
* Written deployments using **Helm** **charts** in **Kubernetes** for **BASE** monolith application, Backend infrastructure, Reverse proxy, and Impact level 6 applications.
* Worked with **dockerized** applications and **Kubernetes** deployments via **helm** charts.
* Provisioned infrastructure as code for newly onboarding regions in **Hongkong**, Cape town and **Osaka** for Backend project.
* Worked on SNS and SQS are messaging services in AWS. SNS enables the sending of messages to a distributed set of subscribers, while SQS is a managed message queue service
* Performed 12-hour on call on a biweekly basis for platform and backend teams.
* Created and implemented CloudWatch alarms and SNS notifications to monitor AWS services.
* Strong trouble shooting experience in **java**-based automation related applications.
* written automation scripts in **python** for automating the **OAUTH** services.
* Experience with **Grafana** and Robo 3T (formerly Robomongo) are two tools useful for a Site Reliability Engineer (SRE), serve different purposes.
* Experience with configuring jump boxes, troubleshooting service router issues and Database related issues on cloud infrastructure.
* Experience in S3 object storage service, and with it indicates knowledge of storing and retrieving large amounts of data securely, often used for static website hosting, backup, and data archiving
* Customized some **Docker** images for some use cases in build steps in Jenkins and stored them in Artifactory.
* Troubleshooting experience for **AWS** **EC2**, **S3, RDS, EKS** and **SQL** server related issues.
* Strong **Linux** administration skills for configuration management and troubleshooting.
* Experience with writing **infrastructure** scripts in **terraform**.
* Strong Ability to write automation scripts in **python**.
* Built and managed a highly available monitoring infrastructure to monitor different application servers like JBoss, Apache Tomcat and its components using Nagios
* My expertise lies in trouble shooting **Kubernetes** related environments and containers most of the time.

**Environment:** Chef, CI/CD, Docker, Jenkins, Runway-ci, VMware cloud, Artifactory, AWS, Terraform, VPC, S3, EC2, ELB, Route53, ECS, EKS, Docker, Kubernetes, VMWARE LINT, LOGZ and Kibana Monitoring.

**Client: Ruckus Wireless, CA Nov 2019 – Dec 2021**

**Role: AWS Cloud Engineer (Lead Release Management)**

**Responsibilities:**

* Build **CI/CD** processes in Jenkins and utilized **ELASTIC CONTAINER SERVICES** for standardizing build processes.
* Worked on **AWS Cloud management** using **Chef** Automation and automated the cloud deployments using **Chef**, **Python**, and **AWS** CloudFormation Templates.
* MIGRATED around 1000 + applications from on premise cloud to **AWS** cloud using various **AWS** based services like **EC2, VPC, ECR, S3, EKS** and **Route 53**.
* Worked on **Grafana and Robo3T** allows to query, visualize, and alert on metrics and logs in SRE
* Experience with release management via traditional **Jenkins** and Runway-ci **Jenkins** environment.
* Implemented **RabbitMQ** message queuing for post processing after submission.
* Automated the entire infrastructure as a code for the **AWS** using terraform and made them reusable templates.
* Worked with **AWS** based **APIs** to automate the health checks and alerting Thresholds.
* Set up **Git** versioning for multiple repose, which are dependent for deployments and integrated them in Jenkins for a single point deployment.
* Mentored building **CI/CD** processes in **Jenkins** and utilized **Docker**, **AWS-ECS** for standardizing build processes.
* Worked in a cloud-based environment indicates familiarity with cloud platforms like AWS, Azure, or Google Cloud. comfortable with services such as AWS Lambda, API Gateway, AWS S3, and other cloud offerings
* Worked with **AWS** and **GCP** based **APIs** to automate the health checks and alerting Thresholds.
* Set up Git versioning for multiple repose, which are dependent for deployments and integrated them in **Jenkins** for a single point deployment.
* Worked with team city to configure **CICD** pipelines apart from regular **Jenkins** **CICD** pipelines.
* Performed progress monitoring for build pipelines and automation pipelines on the flow.
* Extensively used **GITLAB** for creating web dev infrastructure for multiple requirements for the dev teams.
* Supported production issues to support performance issues, volume processing, training Business Users, and supporting downstream & upstream applications.
* Worked with **OpenShift 4.4** Containerization service and built and maintained intermediate clusters and microservices.
* Migrated the product from **OCI-classic** to **AWS.**
* Supported **Level2** and **Level3** Production Support for 20+ **Java, .net,** **J2EE** applications.
* Supported deployment of **Ansible** Tower scripts for creating Network configurations and Infrastructure for the new **AWS** environment.
* Supported **Java** based Production Application migration, Patching **JAVA**, **J2EE**, **Mongo** DB**,** Sybase related version upgrades on a periodic sprint basis.
* Provided **L2** level production support for trouble shooting **AWS** **Cloud** issues and maintenance of Linux/windows server nodes.
* Executed Microservices with **AWS EC Docker/Kubernetes** for code building and packaging.
* Delivered environment mapping in **AWS** that included Active Directory, LDAP, and AWS IAM roles for AWS API Gateway platform.
* Configuring the infrastructure and installing applications on **Windows IIS** hosted platform.
* Did technical root cause analysis for high-priority IIS issues, worked on IIS Webserver Administration and Configuration **Versions 6** and higher and also installation, administration and optimization of enterprise **MS** **SQL** **Server** Database
* Implemented password rotation for our project in Using **Python** scripts.
* Used **JFrog** as the central artifact repository, and used Team pass as Password Manager
* Customized some **Docker** images for some use cases in build steps in **Jenkins** and stored them in **Artifactory**.
* Using **Logic** **Monitor** to keep track of all the server health and logs.

**Environment:** DevOps, Chef, CI/CD, Docker, Jenkins, Terraform, VPC, S3, EC2, ELB, Route53, ECS, EKS, Oracle Databases, PowerShell, HA Proxy, NFS servers, SMTP servers, Proget, Team pass, Logic Monitor.

**Client: Arris Group, Mountain View, CA Jan 2017 – Oct 2019**

**Role: AWS/DevOps Engineer**

**Responsibilities:**

* Used **Jenkins** to Build, Test and publish the project artifacts, Implemented Build per Branch as part of **CI** process to run **Sonar** for code coverage and run unit, **JMeter** and integration tests to help improve the pipeline efficiency.
* Performed **security** and access hardening of the **AWS** **stack**.
* Extensively worked on the production issues to support performance issues, volume processing, training Business Users, supporting downstream & **upstream** applications.
* Experience with automation tools like **Jenkins**, **Ansible** and **Udeploy**.
* Implemented On-demand slave setup in **Jenkins** using pre-configured **AMIs** for environment sensitive applications.
* Experience in Lambda functions allow to run code without provisioning or managing servers
* experience in Lambda serverless development suggests that understand the principles of serverless architecture
* Extensively worked with **JAVA, J2EE, WebLogic, AWS, AZURE, ELK stack** and **CICD** related maintenance and supported the load balancing level support implementations at application level.
* Provisioned **L2/L3** root cause debug analysis and troubleshooted complex server-client application related issues.
* Created and deployed the running instances of the Webservers, NFS Servers and Database Servers Using Ansible as a Configuration Management tool.
* Automated **AWS** resources like **EC2** instances, Security groups, **ELB, RDS**, and **IAM** through AWS cloud Formation templates and used **Ansible** Tower to manage and configure nodes.
* Performed infrastructure automation of **AWS** stack using cloud formation.
* Developed and Automated the Tests to validate the correctness of the Servers Configuration. Expressed in **YAML** Code and Used **GIT** to update the playbooks to the **GIT** repository.
* Involved in setting up Fault tolerant **Jenkins** server for multiple teams across the group using **AWS** **Cloud** Formation templates.
* Implemented Zero-touch deployment of mission critical applications and multiple micro services to production in Jenkins.
* Experience in SREs working with systems that use MongoDB as their database can use to inspect and **robo3T** manage data
* Worked on **Windows Server 2008 R2, 2012 R2, IAM** Administration.
* Used **Jenkins, Git, SonarQube, Maven, Junit, Nexus**, and **AWS** **S3** as artifact repositories to publish build related artifacts.
* Configured **Jenkins** as a **CI** engine to build and promote applications to **QA, UAT** and Staging to **Linux** environments.
* Experience in CloudWatch monitoring service in AWS. with CloudWatch indicates proficiency in monitoring resources, collecting and tracking metrics, and setting alarms based on specific thresholds
* Experience Grafana's alerting features help SREs detect and respond to incidents promptly.
* Automated **CI/CD** with **Jenkins**, build-pipeline-plugin, **Maven**, **GIT** Set up **Jenkins** master/slave to distribute builds on salve nodes.
* Implemented **Elastic** **Beanstalk** to auto-deploy and auto-scale applications using services such as **EC2** instances, Load balancer and Databases on **RDS** in AWS environment.
* Analyzing in working with Ansible, wrote many playbooks to manage Web applications, Environments.
* Worked on Ansible and Ansible Tower to automate repetitive tasks, to deploy critical applications   
  quickly and proactively manage the changes.
* Implemented a **Continuous Delivery** pipeline with **Docker**, Micro services, **Jenkins** and **GitHub**, **Nexus**, **Maven**, **Ansible**.
* Wrote **python**, **Groovy** and **shell** Scripts to automate the build process and administration jobs.
* Providing assistance from **AppDynamics** side for multiple application teams to troubleshoot production issues.
* Written **Python** scripts to take all the secrets from secrets manager and load to the airflow database for the connections using tagging standards.
* Worked in the agile environment with frequently changing requirements and features set.
* Used **Chef** for deploying and scaling web applications and services developed with JavaScript, PHP, Node JS, Python, Ruby, HTML and **Docker** on familiar servers such as Apache.
* Worked with Docker and **Kubernetes** on multiple cloud providers, from helping developers build and containerize their application (**CI/CD**) to deploying either on public or private cloud.
* Build highly available content distribution sites by using **CI/CD** tools like **Chef**, **Ansible**, **Docker**, **Maven**, **Jenkins**, **Jira**, **Kubernetes** etc.
* Experience on Kubernetes for creating Projects, Services for load balancing and adding them to Routes to be accessible from outside, Creation of Pods through new application and control the scaling of pods, troubleshooting pods through **SSH** and logs.
* Development of automation of **Kubernetes** **clusters** with **Ansible**, writing playbooks.
* Responsible for automated Scheduled Builds/Emergency Builds and Release using Maven scripts for Enterprise application (**J2EE**).
* Configured **SSH,** **SMTP**, **Build** **Tools**, and Source Control repositories in Jenkins. Installed multiple plugins to Jenkins. Configured Proxy to get auto updates.
* Experience in **SQL** databases **Oracle**, **MySQL** and **NoSQL** database, **DynamoDB**.
* Using **Kubernetes** to orchestrate the deployment, scaling, management of **Docker** containers.
* Integrated Confluence, **Fisheye**/**crucible**, **Jenkins**, **Bitbucket** with **JIRA** and bamboo for the tracking of the issue and **continuous integration.**

**Environment:** Red hat, Solaris, Shell Scripting, Groovy, python, Java, Spring boot, Git, Jenkins, CI/CD, Nagios, Apache Tomcat, Ansible, Jenkins, AWS Stack, PowerShell, Kubernetes, GIT Hub, Elastic Beanstalk, Airflow, YAML Scripting, Unix Shell Scripting, Maven, Nexus Artifact Repository, Oracle.

**Client: Brocade, Mountain View, CA Oct 2015 – Dec 2016**

**Role: DevOps Support Engineer**

**Responsibilities:**

* Experience in Installing, configuring and administering Jenkins Continuous Integration tool on Linux machines along with adding/updating plugins such as GIT, ANT, and Chef.
* Extensively supported Network operations with subnetting, Cloud internals, AWS related Version Upgrades.
* Supported CICD Applications with korg, Logstash debugger, Kibana, Influx DB, SCG and SCI Logging.
* Supported the Customer Data maintenance applications with Zookeeper, Kafka and Cell group applications.
* Extensively supported Network related Applications like zone points, Access Point debugging for issues within the internal network as well as customer cloud support networks.
* Implemented Automation solutions for cloud migration in AWS.
* Worked on the application performance solutions using Splunk, and Elastic, Logstash and Kibana.
* Involved in development and implementation one of the complicated and vast on-premises data warehouse project to Amazon Web Services.
* Experience on **Grafana** support collaboration by allowing teams to share dashboards and collaborate on troubleshooting efforts.
* Experience with services suggests expertise in choosing and managing databases based on specific application requirements **Lambda Server less**.
* Worked on **Robo3T** It simplifies the process of querying and exploring data, aiding in troubleshooting and analysis.
* Experience in RDS (Relational Database Service), Dynamo DB (NoSQL database), and Neptune (Graph database) cover various types of databases
* Built and Deployed Java Spring boot/J2EE to Tomcat Application servers in an agile continuous integration process and automated the whole process using Maven.
* Create Chef Automation tools and builds and do an overall process improvement to any manual processes.
* Experience in setting up the Chef Workstation, Chef Repo as well as Chef Nodes.
* Deploy and monitor scalable infrastructure on Linux Servers & configuration management using Ansible.
* Working on Build Automation and Build Pipeline Development using Jenkins and Maven.
* Responsible for Continuous Integration (CI) and Continuous Delivery (CD) process implementation-using Jenkins along with scripts to automate routine jobs.
* **Grafana and robo3T** Provisioning and maintaining Amazon AWS server provisioning via chef. This included the provisioning of the instances, ELBs, DNS. Also contributed code to the Jenkins-AWS module on GitHub as part of this.
* Implementing and maintaining the monitoring and alerting of production and corporate servers/storage.
* Developing Chef Recipes to configure, deploy and maintain software components of the existing infrastructure.
* Ability to implement and deploy Azure offerings including both the IAAS and PAAS offering.
* Developed build scripts using ANT and MAVEN as the build tools for the creation of build artifacts like war, ear files using CI/CD pipeline.
* Creating automated application installer scripts using Python and Shell for applications to be hosted on the servers
* Integrated Jenkins with GIT to pull codes and Maven to push artifacts.
* Working on creating and implementing application monitoring, and logging strategies using New Relic, Logstash, Elastic search, and Kibana.
* DevOps Practice for Micro Services using Kubernetes as Orchestrator.
* Using Docker, Jenkins, VMWare, RHEL, Kubernetes, Artifactory, chef & GitLab
* Knowledge on Rancher to deploy a choice of Cattle, Docker Swarm, Apache Mesos (upstream project for DCOS) or Kubernetes to manage the containers. Used Vagrant for Virtual Box & Docker environments.
* Installed, Configured, Managed Monitoring Tools such as Splunk, Nagios for Resource Monitoring/Network Monitoring/Log Trace Monitoring.
* Developed build and deployment scripts using MAVEN and initiated them using Jenkins to move from one environment to other environments.
* Ensure JIRA capture add-on and configure JIRA capture tool for exploratory testing, easy creation of issue with browser extension by pre-filling templates.
* Attended daily stand up meetings, Sprint planning meetings and Weekly release health check-up meetings as best practices of agile environment.

**Environment:** Jenkins, Maven, Ant, Git, Bitbucket, Puppet, Chef, Nagios, Nexus, Apache WebSphere, JBoss, Elastic search, Logstash, Kibana, BMC Remedy and Python.

**Client: CHEVRON, Hyderabad, India Mar 2012 – July 2015**

**Role: Site Reliability Engineer**

**Responsibilities:**

* Managed **Amazon Web Services (AWS**) infrastructure with automation and configuration management tool such as **Chef**. Designing cloud hosted solutions, specific **AWS** product suite experience.
* Worked on **AWS** cloud to provision new instances, **S3 Storage** Services, **AWS EC2, Cloud watch** services and **CI/CD** pipeline management through **Jenkins** and Created **IAM** policies for administration in AWS to assist type applications
* Configuring and Networking of **Virtual Private Cloud** (**VPC**) Written Cloud formation templates and deployed **AWS** resources using it.
* Responsible for building and configuring a virtual Data Centre in **AWS** **cloud** to support Enterprise **Data** **warehouse** hosting.
* Configuration of **Ansible** modules for **AWS** **cloud** deployment. Worked with **Ansible** playbooks for virtual and physical instance provisioning, configuration management, patching and software deployment on **AWS** environments through automated tools, **Ansible** / custom pipeline.
* Automated deployment using configuration Management tool like **Chef** to provision **AWS** **EC2** Instances to enable **continuous** **Deployments**.
* Written **Chef** Recipes to automate our build/deployment process and do an overall process improvement to any manual process.
* Setup the **Chef** Infrastructure for the environment for software configurations management and **Chef** servers, chef work stations, **chef** nodes and involved in bootstrapping new infrastructure **chef** nodes.
* Provisioning and configuring the **Docker** containers and creating Docker files for different environments.
* Worked on **Docker** container snapshots, removing images and managing Docker volumes and for branching purpose
* Providing continuous improvement to agile software development teams by working with **Jenkins** under the **CI/CD** pipeline. Integrated Ant, **Nexus**, **Jenkins**, **SVN**, **Confluence** and **JIRA** and Used **Git** with **Jenkins** to integrate to automate the code checkout process.
* Automating various activities using scripting languages like **Perl, Python, Ruby, PowerShell** based on the requirements
* Developed **Shell** **Scripts** and **Perl** for automation of the build and release process. Developed custom solutions in **C#** and **PowerShell** to validate availability, consistency, and compliance with environments.
* Developed build and deployment scripts using **MAVEN** as build tools in **Jenkins** to move from one environment to other environments.
* Built and managed a highly available monitoring infrastructure to monitor different application servers and its components using Nagios with Puppet automation. Involved in editing the existing **ANT** files in case of errors or changes in the project requirements.
* Built and engineered servers on **Ubuntu** and **RHEL** **Linux**. Provisioned virtual servers on **VMware** and **ESX** servers using **Cloud**.
* Configured and integrated the servers for different environments to automatically provision and configuration management of **Linux** instances using **CM**/ Provisioning tool Puppet.

**Environment:** Linux, Perl, Chef, Puppet, Jenkins, Nagios, PHP, Ruby, JIRA, GIT, Docker, Vagrant, SVN, Ant, Bash, PowerShell, NT Command Shell.

**Education:**

* Bachelors in Electronics and Communication Engineering from Kakatiya university, India – 2011
* Masters in Computer Science from North-Western Polytechnic University, USA - 2016