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**Visa: H1B**

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**Professional Summary:**

* 9+ years of experience in Information Technology of which 2 years in Development, Testing and Maintenance of enterprise-wide web, windows-based applications using oracle tools and with major focus on Linux/Unix administration, Software Configuration, Build/Release Management and DevOps/ CICD.
* 4 years of experience on Red Shift, Creating and managing clusters.
* Knowledgeable in applications of scrum, waterfall, and agile methodologies, and skilled in developing processes that facilitate continual progress.
* Industry experience in Human Services, Financial Domain, and Automotive domain.
* Implemented AWS Cloud platform and its features which include EC2, VPC, EBS, AMI, SNS, RDS, Aurora, EBS, Cloud Watch, Cloud Trail, Cloud Formation AWS Config, Auto scaling, CloudFront, IAM, S3, Route 53, DynamoDB, and Amazon RDS.
* Proficient with container systems like Docker and container orchestration like ECS and Kubernetes.
* Experience in setting up Gradle framework for build automation and using GIT, Concourse, and other tools.
* Experienced in the use of Docker, Kubernetes and OpenShift to manage micro-services for development of continuous integration and continuous delivery.
* Worked on cloud-based servers like AWS.
* Extensive experience in using Build Automation tools like ANT, Maven & Gradle.
* Knowledge of databases like MySQL, Oracle & PostgreSQL.
* Experience in Java technologies like Rest API, Angular, Springs.
* Experience with **Soap UI** calls to check the proper functioning of a request/response.
* Experience in working on source control tools like **SVN** and **GIT**.
* Adept in Agile methodologies for development and testing environments.
* Automated repetitive and critical tasks using **python**.
* Experience in writing efficient **Splunk** scripts for alerts and dashboards.
* Designed and developed highly scalable microservices using NodeJS/ReactJS.

## **Education:**

* Bachelor in Electronics and Communication Engineering, 2014 - JNTU, Kakinada - Andhra Pradesh, India
* Masters in electrical engineering, 2016 - Northwestern Polytechnic University - Fremont, California.

**TECHNICAL SKILLS:**

| **Cloud Services:** | AWS (EC2, S3, CloudWatch, RDS, Aurora, Elastic Cache, IAM) |
| --- | --- |
| **Configuration Management & Build tools:** | Ansible, Gradle |
| **Programming:** | C, Core Java, Python, PowerShell, SQL, JavaScript, HTML |
| **OS Platforms:** | Windows, Linux (CentOS, REDHAT enterprise, Ubuntu) |
| **SCM/Version Control Tools:** | GIT, Tortoise SVN |
| **Web Service Tools:** | JBoss, Apache Tomcat 5.x |
| **CI Tools:** | Jenkins |
| **Database Systems:** | SQL Server 2008/2012, Oracle 9i/10g, PL/SQL, MS Access, DB2, PostgreSQL. |
| **Ticketing/Bug Tracking:** | JIRA. |
| **Monitoring tools:** | Splunk, CloudWatch & CloudTrail, Prometheus & Grafana |
| **Container Technologies:** | Docker. |

**Work Experience:**

**Client: Kaiser Permanente – Oakland, CA Jan 2022 – Present**

**Role: DevOps /SRE Engineer   
Accountabilities**:

* Creating pipeline jobs/scripts using groovy and declarative on Jenkins.
* Worked with multiple development teams to set up build pipelines.
* Migrated artifacts from Archiva to JFrog Artifactory
* Managing the build process using Maven and deploy into targets without any error.
* Deploying through IBM Urban code Deploy.
* Managing the entire data migration process by identifying potential issues and resolving them before they become problems.
* Implemented and maintained CI/CD pipelines for React-based web applications using Jenkins, Travis CI, and GitLab CI/CD.
* Streamlined the deployment process by containerizing React applications with Docker and managed them using Kubernetes.
* Perform server maintenance and upgrades. Server and service monitoring – resolving or escalating alerts/problems. Troubleshooting issues and outages.
* Evangelize best practices, policies, and capabilities of the team to development organization.
* Experience on web application security vulnerabilities, such as OWASP Top 10, and experience with security testing tools, such as Burp Suite, ZAP, or AppScan.
* Security automation experience with tools such as Static Application Security Testing (SAST) and Dynamic Application Security Testing (DAST).
* Coordinating with the client to determine their data needs, including the types of data that need to be migrated and how the data will be used.
* Creating an inventory of all data that needs to be migrated and determining how much time and effort will be required to complete the task.
* Used [Splunk for providing visibility on performance](https://www.educba.com/what-is-splunk/) of the system and helps customers to find problems and discover trends. Monitoring is much easier by looking at the indexes. All logs are generated and stored.
* Used YAML as it is easier for humans to read and write than other common data formats like XML or JSON. Further, there are libraries available in most programming languages for working with YAML.
* Used Splunk to generate a variety of reports like graphs, pie charts, bar charts, etc.
* Used Kibana for Data visualization and exploration for log and time-series analytics, application monitoring, and operational intelligence use cases such as histograms, line graphs, pie charts, heat maps, and built-in geospatial support.
* Used Octopus for the same deployment packages across environments and making it easy to track their progress across those environments.
* Used SFTP over an SSH data stream to establish a secure connection. Encryption algorithms securely move data to a server, keeping files unreadable during the process.
* Worked with STFP client, that lets users connect to a server and store files on the server. Files are stored and retrieved from the STFP server.
* Day to day maintenance and administration of the Solaris and Linux environments & Maintain software and hardware to supported levels, patching/upgrading as required.
* Maintenance and administration of NetBackup and Commvault environments.
* Design and build the infrastructure for a global cloud service that comprises hundreds of thousands of MongoDB clusters, processes a billion metrics per day, and replicates tens of billions of databases writes to our backup service.
* Responsible for administration, maintenance, Performance analysis, and Capacity planning for MongoDB clusters.
* Implemented AWS Cloud platform and its features which include EC2, VPC, EBS, AMI, SNS, RDS, Aurora, EBS, Cloud Watch, Cloud Trail, Cloud Formation AWS Config, Auto scaling, CloudFront, IAM, S3, Route 53, DynamoDB, and Amazon RDS.
* Implemented EKS Cluster for Solace.
* Establishing testing procedures to ensure that the migrated data is accurate and consistent with client specifications.
* Managing Version control using IBM RTC.
* Maintaining the documentation using the Atlassian tools Jira, confluence etc.
* Integrated Jenkins with RTC, JFrog Artifactory, UCD.
* Worked on automating the promotion of artifacts to the JFrog Artifactory.
* Working on agile based sprints to complete the assigned tasks (Jira).
* Migrated source code from RTC to GitHub.
* Experience with Citrix and Application Virtualization technologies such as Citrix Virtual Apps and Desktops, VMware Horizon, or Microsoft Azure Virtual Desktop.
* Worked on creation of **Docker** containers and Docker consoles for managing the application life cycle.
* Extensively worked on setting up CI/CD pipelines using GitHub, Gradle, Jenkins, Terraform, Docker & Kubernetes.
* Implemented and installed httpd, a static word press application, using Ansible configuration management tool.
* Used EKS to support EC2 when we want to deploy worker nodes or Fargate to deploy serverless containers.
* ECS Cluster Capacity Provider used to automatically provision and scale the infrastructure for ECS Tasks.
* Experienced in the use of Docker, Kubernetes and OpenShift to manage micro-services for development of continuous integration and continuous delivery.
* Installation, Administration, Support and Maintenance of **RedHat** Enterprise and CentOS on VMs and physical servers.
* Defined CloudFormation resources in ebextensions to provision ElastiCache, an S3 bucket, anything needed.
* Used Helm Charts to define, install, and upgrade even the most complex Kubernetes application.
* Used CloudFormation for provisioning AWS infrastructure using code to model a collection of related resources, both AWS and third party, to provision them quickly and consistently. AWS CloudFormation also provides you with a mechanism to manage the resources through their lifecycle.

**Environment:** Linux, Windows, Jenkins, Groovy, Kibana, Splunk, Python, React, Bash, JFrog, Jira, SFTP, MongoDB, Confluence, IBM RTC, UCD, IBM Cloud Lift, AWS Migration Services, Octopus

**Client: Lucid Motors – Newark, CA Oct 2020 – Dec 2021**

**Role: Sr. DevOps /SRE Engineer  
Accountabilities**:

* Responsible for Creation and maintenance of Jenkins pipelines for in-house ecus using shared pipeline structure.
* Responsible for builds and documentation for weekly releases in our fast-paced work environment.
* Developed automation scripts in python and bash.
* Implemented and maintained CI/CD pipelines for React-based web applications using Jenkins, Travis CI, and GitLab CI/CD.
* Assisted in setting up CI/CD pipelines for React applications and improved the deployment process.
* Have set up the Jenkins agents with necessary tools installed for the builds to be run.
* Provided extended hour and weekend support with rotational On-call shifts.
* Worked on branching, tagging, and maintaining the version across the environments using SCM tools like GIT on Unix, LINUX, and the Windows environment.
* Upon completion of test pipelines, publish Junit reports and test logs.
* Communicated with all levels of engineering, management, development, and test teams.
* Maintaining the documentation using the Atlassian tools Jira, confluence etc.
* Worked on SignalFx to monitor, analyze, visualize, automate, and alert on metrics data from infrastructure, applications, microservices, containers, and functions.
* Used SignalFx for providing operational intelligence for elastic architectures through monitoring specifically designed for microservices and containers with powerful, proactive alerting, metrics aggregation and visualization into time series data.
* Worked with multiple development teams to set up build pipelines.
* Worked on automating the promotion of artifacts to the JFrog Artifactory.
* Created webhooks in Gitlab to automatically trigger builds
* Integrated Jenkins-Jira with service account setup and automatically posted the status of builds to tickets.
* Extensively worked on setting up CI/CD pipelines using GitHub, Gradle, Jenkins, Terraform, Docker & Kubernetes.
* Experience in software versioning methodologies.
* Designing and highly implementing performant data ingestion pipelines from multiple sources using Apache Spark and Databricks
* Delivering and presenting proofs of concept to of key technology components to project stakeholders.
* Installation, Administration, Support and Maintenance of **RedHat** Enterprise and CentOS on VMs and physical servers.
* Implemented AWS Cloud platform and its features which include EC2, VPC, EBS, AMI, SNS, RDS, Aurora, EBS, Cloud Watch, Cloud Trail, Cloud Formation AWS Config, Auto scaling, CloudFront, IAM, S3, Route 53, DynamoDB, and Amazon RDS.
* Analyzing the method of transforming existing data into a format for the new environment and the loading of this data into database structures.
* Reviewing existing migration tools and providing recommendations for improving performance of the migration process.
* Responsible for the day-to-day administration of the IAM system.
* Involved in troubleshooting and resolving IAM issues.
* Participate in IAM projects and initiatives.
* Worked on creation of **Docker** containers and Docker consoles for managing the application life cycle.
* Experienced in the use of Docker, Kubernetes and OpenShift to manage micro-services for development of continuous integration and continuous delivery.
* Work with internal customers, business analysts, and application teams to understand access requirements.
* Maintain documentation for the IAM program.
* Participate in IAM audits and review access control reports to identify potential risks.
* Configured the AWS lambda function to trigger the jobs based on the event patterns in S3 buckets.
* Created AWS IAM roles and assigned them to proper services in-order for the services to use other AWS services.
* Created Auto scaling groups and launched EC2 instances to balance the load with ELB.

**Environment:** Linux, Windows, AWS, GITLAB, Jenkins, Groovy, Python, React, Bash, JFROG, mat lab, Grafana, Jira, Confluence, Docker, Kubernetes, Elastic Search, OpenSearch, Concourse CI, Terraform, Ansible, EKS, AWS Services, Prometheus, Python, AWS Lambda, AWS S3, CloudWatch, Budgets.

**Client: The Clearing House – Dallas, TX March 2020 – October 2020**

**Role: DevOps Engineer**

**Accountabilities**:

* Implementing a Continuous Delivery framework using Jenkins, Concourse and Gradle in Linux environment.
* Configured AWS VPC and created the public subnets for application servers and private subnets for database servers.
* Used AWS cloud formation template to launch EC2 instances and NACLs.
* Manage Amazon Redshift by setting up, operating, and scaling a data warehouse. These tasks include provisioning capacity, monitoring, and backing up the cluster, and applying patches and upgrades to the Amazon Redshift engine.
* Configured the AWS lambda function to trigger the jobs based on the event patterns in S3 buckets.
* Direct experience of building data pipelines using Databricks.
* Used New Relic for real-time monitoring that tracks and provides information about web app performance and fixes any performance issues more efficiently.
* Using New Relic as an agent – code installed in infrastructure/app that tracks their performance.
* Created AWS IAM roles and assigned them to proper services in-order for the services to use other AWS services.
* Extensively worked on setting up CI/CD pipelines using GitHub, Gradle, Jenkins, Terraform, Docker & Kubernetes.
* Experience in migrating data from on premise servers to AWS cloud using different AWS services such as AWS Direct Connect.
* Actively involved in migrating on-premises relational data to AWS RDS instances.
* Created and Managed AWS IAM users and groups and designed policies.
* Created Auto scaling groups and launched EC2 instances to balance the load with ELB.
* Worked on creation of **Docker** containers and Docker consoles for managing the application life cycle.
* Used SFTP for enabling data security, encryption, and public key authentication, which protect data in transit. The security makes SFTP a reliable [file transfer](https://www.forbes.com/sites/forbestechcouncil/2020/08/05/combating-ransomware-in-your-email-attachments-doesnt-have-to-be-that-hard/?sh=4c0b40aa562e) option.
* Installation, Administration, Support and Maintenance of **RedHat** Enterprise and CentOS on VMs and physical servers.

**Environment:** Jenkins, Git hub, Gradle, SFTP, CloudWatch, Terraform, Ansible, Docker, Kubernetes, EC2, other AWS Services.

**Client: Verizon– Irving, TX Jan 2018 – Feb 2020**

**Role: DevOps (TechOps) Engineer**

**Accountabilities**:

* Involved in all phases of SDLC including Requirements Collection, Design & Analysis of the Customer Specifications and Development of the Application.
* Worked with configuration Management Tools like Ansible and bash/python scripting.
* Responsibilities include developing build, test, provision, secure and deployment systems and providing support to a large community of developers and testers.
* Managing the code migration from QA to Production and Staging Environment.
* Automating the Build process using Subversion GIT.
* Created and maintained various DevOps related tools for the team such as provisioning scripts, deployment tools, and development and staging environments on AWS and Cloud.
* Worked on Continuous Integration Tools like Jenkins to create scripts to run builds
* Involved in Customization of Work Items.
* Setting Amazon Redshift cluster nodes, which consists of a leader node and one or more compute nodes.
* Experienced in the use of Docker, Kubernetes and OpenShift to manage micro-services for development of continuous integration and continuous delivery.
* Extensively worked on setting up CI/CD pipelines using GitHub, Gradle, Jenkins, Terraform, Docker & Kubernetes.
* Performing the infra and web releases in Staging and Production environments
* Monitoring the internal logs and deltas to ensure correct functioning of the system
* Using the GSD test tool to check and confirm the data flow is unobstructed and checking the deltas periodically to ensure correct system functioning and avoiding server crashes.
* Working on Amazon CloudWatch which helps us to gain system-wide visibility into resource utilization, application performance, and operational health.
* Version Control Tools or Source Code Management tools (GIT, SVN)
* Responsible for writing Manifests to configure nodes.
* Experience with monitoring and management tools like NAGIOS, New Relic.

**Environment:** Linux(ubuntu), Ansible, Python, Bash, Nagios, PagerDuty, Pingdom, JIRA, New Relic, GIT, Jenkins, Amazon web services.

**Client: American Express – Phoenix, AZ                                                                                Oct 2016 - Dec 2017**

**Role: DevOps Engineer**

**Accountabilities:**

* Installation, Administration, Support and Maintenance of **RedHat** Enterprise and CentOS on VMs and physical servers.
* Analyzing and resolving problems associated with servers, applications, and software.
* Work with the security team to modify application user’s password policies, group policy, **UID** and GID assignment policies.
* Experience in migrating and implementation of multiple applications from on premise to cloud using AWS services like **SMS** (Server Migration Service), **DMS** (Database Migration Service), SCT (Schema Conversion Tool), **CloudFormation, S3, Route53, Glacier, EC2, RDS, SQS, SNS, Lambda and VPC**
* Monitored tagging standards for proper identification and ownership of **EC2** instances and other AWS resources.
* Designed roles and groups for users and resources using Identity Access Management (IAM).
* Initiated alarms in the CloudWatch service for monitoring the server's performance, **CPU** Utilization, disk usage etc. to take recommended actions for better performance.
* Worked on creation of **Docker** containers and Docker consoles for managing the application life cycle.
* Expertise in Installation & Setup of code versioning tools like **GIT**/**SVN** Repository (Version Control System) on Linux at the client side.
* Participated in the release cycle of the product, which involved development, QA, UAT and production.
* Installed and configured **Jenkins** and created parameterized jobs to kick off builds for different environments.
* Built Jenkins jobs to create **AWS** infrastructure from GitHub repos containing code.
* Extensive experience using Jenkins CI/CD pipelines, **Maven** as a Build Tool for the building of deployable artifacts from source code.
* Created and maintained the **Shell** deployment scripts for **Tomcat** and **WebSphere** application servers.
* Implemented & maintained the branching and build/release strategies utilizing **subversion**/GIT.

**Environments:** Red Hat Enterprise, Linux, VMware, AWS, Docker, GIT, Jenkins, Maven, Shell, Tomcat, WebSphere, Flask, Django.

**Client: Digicert – Lehi, UT                                                                                                  Oct 2015 - Sep 2016**

**Role: Build Engineer**

**Accountabilities**:

* Worked on configuring Jenkins master slaves and created Jobs pipelines for Continuous build and deployment and was responsible for Continuous Integration (CI) and Continuous Delivery (CD) process implementation-using Jenkins along with Shell scripts to automate routine jobs.
* Worked on **AWS** applications like **AWS EC2, Route53, S3, RDS, DynamoDB, SNS, SQS, IAM** and creating the **VPC** in **AWS** Cloud Formation and created **VPC** for high-availability, Fault tolerance and Auto scaling for **EC2** and RDS, created security groups, auto-scaling groups, NACLs, Private & Public subnets and **ELBs** in custom **VPC's**.
* Supported AWS cloud instances running Ubuntu, Red hat, and Windows environments.
* Working on Amazon CloudWatch which helps us to gain system-wide visibility into resource utilization, application performance, and operational health.
* Manage Virtual environments using Hypervisor and VMware Virtual Center.
* Designed and developed highly scalable microservices using NodeJS/ReactJS.
* Installs Firmware Upgrades, kernel patches, systems configuration, performance tuning on Unix/Linux systems.
* Deployed and configured Git repositories with branching, forks, tagging, and notifications. Experienced and proficient deploying and administering GitHub.
* Monitoring server performance and troubleshooting server related problems.

**Environment:** Jenkins, Git hub, Selenium, AWS.

**Client: Web Synergies – Hyd, India                                 July 2013 - July 2015**

**Role: Java Developer**

**Responsibilities:**

* Involved in designing and developing new rest services for mobile application and implemented new changes in existing rest services with versioning for backward compatibility.
* Actively involved in developing services for migration of site pseudo membership to full membership with social and non-social accounts.
* Worked with SOLR index for nightly load process and search related development work
* Implemented data abstraction layer using Hibernate DAO objects
* Used Design Patterns such as Singleton, Factory pattern, Session Façade, Business Delegate, MVC, and DAO.
* Involved in developing administrative utilities for uploading offer codes, promo codes and tracking codes.
* Used agile methodology along with test driven development using JUnit and Mockito.
* Used R language for data analysis in Machine Learning
* Analyzed statistical aspects of applications like correlations and machine language algorithms like linear regression.
* Involved in redesigning partner xml feeds processing.
* Involved in production and deployment of sprint releases to multiple JBoss servers.
* Managed Amazon Web Services (AWS) infrastructure with automation, implemented new AWS instances and worked with EBS and S3 storage, IAM, VPC.
* Regular Build jobs were initiated using the Continuous Integration tool with **Jenkins.**

**Environment:**  Agile, Java, J2EE, Struts 2.x, Hibernate, Solr, REST Easy, SOAP, Sybase, JSP, jQuery, Jenkins, Java Script, HTML.