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**SUMMARY**

* 9+ years of experience in multiple disciplines including AWS, Dev-Ops Engineer and Middleware Administration.
* Migrated Applications from Bare Metals to AWS using AWS Server Migration Service, AWS Database Migration Service, Direct-Connect, and Snow ball.
* Installed, secured, and configured **AWS** cloud servers using **EC2, VPC, IAM, SNS, SQS, RDS, Cloud Formation, Elastic Load Balancing, Auto Scaling, S3 and Route53**.
* Migrated in- house DB to AWS RDS and for High Availability clustering used read-replica data stream so that RDS automatically creates a primary DB instance and synchronously replicates the data to a standby instance in a different AZ.
* Implemented and integrated **Docker with ECS to achieve** Continuous Integration and Deployment framework using Jenkins.
* Experience in integrating AWS Instances and Jenkins with Active Directory (AD).
* Administer Web and Application servers including WebLogic, Tomcat, and Apache.
* Worked on container technologies like **Docker and Kubernetes**in conjunction with **mesos and marathon orchestration** tools.
* Experience in branching, tagging, releasing and maintaining the versions across the environments using version control systems like GIT and Subversion (SVN).
* Complete understanding of Software Development Life Cycle with Agile Methodologies.
* Pushed all configuration management using Chef and puppet to allow for rapid roll-out of new infrastructure.
* Achieved Continuous Delivery of Critical Applications by Using Blue-Green Deployment.

**SKILL SET**

**Operating Systems:** Linux, Ubuntu. Solaris, and Windows.

**Programming:** Python, Perl, Shell, Ruby, AWS CLI, AWS Shell

**Monitoring Tools:** Extra Hop, Patrol, JMeter, JRockit, Wily Introscope, ELK , CloudWatch

**J2EE Platforms:** WebLogic, Apache, Tomcat, JBoss, WebSphere.

**Version Control Systems:** Subversion, Git,TFS.

**Cloud:** AWS, Open Stack

**Containerization**: Docker, ECS.

**Orchestration Tools:** Apache Mesos, Marathon, Chronos, Kubernetes

**Cloud Services:** EC2, S3, VPC, Cloud Formation, RDS, SQS, IAM, SNS, SES, SMS.

**Automation/Build Tools:** Jenkins, Repli-Web.

**Configuration Management:** Chef**,** Ansible, Puppet.

**WORK EXPERIENCE:**

**DevOps / Cloud Engineer, Ericsson, Dallas, TX (08/2018 - Till Date)**

* Implemented Open Stack Helm charts using kubernetes and make files for service isolation for container utility pods as a part of enabling non-root user project.
* Automated deployments, configuration management and capacity management of applications using CI/CD Tools.
* Build out operational capabilities to support secure, scalable, Fault-tolerant and cloud-based web architecture.
* Build test and deploy scalable, highly available Open Stack Private Cloud environment for Infrastructure requirements.
* Manage Open Stack Infrastructure upgrades, expansions, scaling, troubleshooting and debugging for complex environments.
* Implemented Linux Security requisites such as **seccomp, selinux** and **Apparmor** profiling for Dockers and kubernetes for Open Stack Helm charts**.**
* Serve as thought-leader in Open Stack Community by contributing weekly to forums and resources articles, improve the operability and supportability of Open Stack at various layers, locate and report bug upstream and maintain the most-up-to-date Open Stack Knowledge to deliver the highest service of support as industry standard bearer.
* Implementing VariousOpen Stack Components: **Nova, Horizon, Neutron/Quantum, Cinder, Swift, Heat, Ceilometer, glance. OpenStack Plugins: KVM, OVS, VMWare ESXi, Cisco ACI, Juniper Contrail.**
* Worked in Analysis, Requirements gathering, POC, Deployment, Testing, Verification and Validation till handing over the live environment to the client.

**DevOps /AWS Cloud Engineer, CBRE, Dallas, TX (10/2017 – 08/2018)**

* Automated deployments, configuration management and capacity management of applications using CI/CD Tools.
* Architected, Designed and implemented the hybrid cloud infrastructure for the existing applications considering High Availability, Scalability and fault tolerance maintaining standards with Compliance
* Build out operational capabilities to support secure, scalable, Fault-tolerant and cloud-based web architecture.
* Implemented Apache Mesos framework along with job schedulers like Chronos, Marathon.
* Integrated automation of deployment to Chronos Job scheduler from Jenkins.
* Managed multiple AWS accounts with multiple VPC’s for both prod and non-prod.
* Automated Start/Stop of non-Prod instances to reduce costs.
* Integrated Existing Infrastructure with Centrify to disable Private Keys and use privileged accounts for login, as part of Security Hardening Process.
* Encrypted S3, EC2, EFS using KMS-CMK as a part of Data Encryption.
* Configured Apache Mesos framework and dependent services using cloud formation templates on Centos.
* Improved and standardized the build of the production Mesos cluster, which executes a tree of 400+ trading-critical Chronos jobs daily.
* Configured ELK, deployed Log Stash agents in all environments and integrated logs into Elastic Search.
* Enforced Auto-removal of Old ECS Images as part of Cloud Governance process.
* Migrated Git repo from Bit Bucket to VSTS.
* Created Auto-Scaling Policies for Mesos-slaves to achieve Lean Stack.
* Automated backups by shell for Linux to transfer data to S3 Bucket.
* Created tagging standards for proper identification and ownership of **EC2 instances** and other AWS resources.
* Configured **JENKINS** Monitor, List and Build views to displays the status and progress of selected jobs with build version information.
* Created **customized AMIs** so as to withstand for Clustering and Disaster recovery.
* Worked on creating the IAM Policies and roles for the Instance profiles and managed the role-based authentication for the Instances and S3 buckets
* Managed Multiple AWS instances, assigned security groups and configured load balancing using Elastic Load Balancer and backed out Images to AMI’s for Adding additional Instances.
* Customized the AWS cloud Watch metrics and SNS accordingly using Amazon API for the custom metrics to appear on the cloud watch to know the health of the Instances and to monitor the performance accordingly.
* Implemented Atacama Data-Governance Control and Collibra Data-Quality Control.

**APM/AWS Cloud Engineer, Ericsson, Bellevue, WA (08/2016 – 10/2017)**

* Managed Multiple AWS instances, assigned security groups and configured load balancing using Elastic Load Balancer and backed out Images to AMI’s for Adding additional Instances
* Created **Chef Cookbooks** to provision Apache Web servers, Tomcat servers.
* Provisioned EC2 components like Elastic Block Storage (EBS), Volumes, Snapshots, Amazon Machine Image (AMI), Security Groups, Elastic IP's, Load Balancers, Key pairs.
* Automated the process to create Docker images from Docker Hub and also created Docker file from scratch including automated package builds and deploy, Integrated with ECS so as to Enhance time effective process for Procurement Docker hub.
* Build and configured a virtual data center in the Amazon Web Services cloud to support Enterprise Data Warehouse hosting including creating CIDR Blocks, Public and Private Subnets, Security Groups, Route Tables, Elastic Load Balancer.
* Setup VPC’s and subnets using Cloud Formation templates for various applications and Configured Elastic Load Balancer (**ELB**) for routing traffic. Tracked the efficiency of all AWS services and provide application owners with performance-based SLAs.
* Performed installation, patching and upgrading software and hardware packages including its dependencies using YUM, APT and RPM.
* Create Jenkins job to build the artifacts using maven, deploy the Cloud-formation templates to create a full stack.
* Created and monitored alarms, notifications for EC2 instances, and Billing Notifications using **Cloud Watch** and SNS.
* Integrated **GIT** and **TFS** into **Jenkins** to automate the code check-out process and created the test automation framework with Selenium and Java for Continuous Integration
* Deployed Extra Hop Monitoring tool on AWS to identify workloads to migrate to AWS and to optimize the performance of all Dependent Infrastructure Services.
* Created and Implemented Performance Dashboards in Extrahop for all Business related API’s.Support Service Level Agreements (SLAs) for Applications Engineering group and implement necessary processes and procedures to ensure they are met.
* Implemented triggers in Extra hop using JavaScript for Capturing Java APIs and Custom metrics such as Http Status codes and assigning it to network devices.

**Infrastructure/DevOps Engineer, Apple – Sunnyvale, CA, (2015 -16)**

* Responsible for building out and improving the reliability and performance of cloud applications and cloud infrastructure deployed on Internal Cloud (Monsoon).
* Created JSON templates for AWS cloud Formation and ruby scripts for Chef Automation and contribute to Git repository.
* Implemented POC’s to provision Amazon Web Services (AWS) resources like Elastic Cloud Computing (EC2), Simple Storage Service (S3), Relational Database Service (RDS), Virtual Private Cloud (VPC), Simple Notification Service (SNS), Elastic Load Balancer (ELB), Cloud Formation Template (CFT), Auto Scaling, Cloud Watch, and Route53.
* Migrated in- house DB to AWS RDS and for High Availability clustering used read-replica data stream so that RDS automatically creates a primary DB instance and synchronously replicates the data to a standby instance in a different AZ.
* Worked with Application teams to create a collaborative IT operations model based on **Agile** and **DevOps** methodologies and wrote code to support automated IT operations in various scripting languages.
* Responsible for ensuring **Continuous Delivery/Continuous Integration** across all environments from UAT/TEST to Pre-Production and Production using **Jenkins**.
* Integrated Selenium automation regression test suite in Jenkins build the pipeline. Experienced in automating deployment using **Bash, Ruby, Perl** and **Python** scripting.
* Created **Chef Cookbooks** to provision Apache Web servers, Tomcat, WebLogic Servers.
* Experienced with analysis of logs and performing root cause analysis for various issues coming up on daily basis.
* Monitored Live Traffic, logs, Memory utilization, Disk utilization and various other factors, which are important for cut-over and live activities.
* Conceptualized and led the program for conversion of VMware’s **VM** to **KVM** for the entire Apple Customer Systems platform.
* Installed and maintained Jenkins for Continuous Delivery as well as automate Ansible Playbook runs against production infrastructure.
* Migrated Middleware Applications from Data Centers to AWS which involved orchestration between Various Infrastructure Teams to build a high-available, robust and scalable infrastructure systems.
* Managed applications on a public EC2 instance under a public subnet with internet gateway and communicated with a private application under a private subnet by a dedicated VPC, configured NAT and Route Tables.
* Involved in Puppet modules to automate deployment, configuration, and lifecycle management of key clusters.
* Responsible for troubleshooting Java applications and monitoring using Splunk.

**Senior Middleware Engineer, Master Card – St Louis, MO (2014 -15)**

* Implemented Application Technical Architecture Design (TAD) and architecture using Microsoft Visio.
* Procure SSL Certificates and repo to GitHub Version Control to handle Authentications for Both Web and Application Servers.
* Created JSON templates for AWS cloud formation and ruby scripts for Chef Automation and contributing to repository on Git/SVN**.**
* Configured Software load balancers for creating VIP’s health checks and server farms at both LB level and Web Server level including creating Context Rules and setting up health Check Monitors for High Availability Scenarios.
* Migrated and exported scripts from Web Focus 7.7 to 8.0
* Involved in Configuring the WebSphere load balancing utilizing WebSphere Workload Management (WLM) including horizontal scaling and vertical scaling. Provided various J2EE Applications support at the Enterprise Level. Involved in Application Tuning for Optimized performance.

**WebLogic Administrator, Monsanto – St Louis, MO (2011 -14)**

* Developed automated application deployment process to WebLogic and Tomcat using Repliweb.
* Automated build and deployment of applications using Apache ANT, Perl & shell scripting.
* Migrated enterprise applications from WebLogic application server to JBoss Application Server.
* Configured Apache plug-ins for JBoss and WebLogic application servers.
* Installed and configured Oracle Coherence clusters on distributed caching with replication models. Configured the Coherence JMX Management Framework for monitoring and tuning caching performance and troubleshooting caching errors.
* Enabled JRockit Mission Control and Flight Recorder to Monitor WebLogic Performance.
* Analyzed **thread dump** to tune performance of JVM by setting parameters for **heap size and garbage collection**.
* Analyzed **heap dump** to find memory leaks.
* Configured and maintained **WebLogic server** with **JDBC** Connection Pool, **JMS, JNDI, SNMP** and **J2EE Services**.

**WebLogic Administrator, DHL Global Mail - Atlanta, GA (03/2011 – 10/2011)**

* Installed, upgraded patches, deployment, monitored, tuned and configured WebLogic application server in multi-cluster/server environment.
* Configured and created JMS queues & topics, Data sources, bridges & connections pools & multi-connection pool.
* Expertise in troubleshooting and fixing of problems on WebLogic Application Server.
* Strong knowledge in Clustering and administering connection pools for JDBC connections. Install, configure and administered of WebLogic.

**WebLogic Portal Administrator, TIAA-CREF - Broomfield, CO (2010-11)**

* Created WebLogic portal-based environment. Performed tasks such as creating Desktops and community templates for WebLogic portal server. Provide on-call support for critical business applications throughout their life cycle, which included development, testing, break-fix, testing and production environments.
* Set up WebLogic domain with a single Server instance for developers on their windows machines. Developed automation process using Korn shell for WLS Install, upgrade patches, deployment, monitor, tuning, and configuration of Web Logic application server in a multi-cluster server environment.
* Configure and installed Tomcat, JBoss, and WebLogic application servers.
* Configured User Authentication and Policy Authorization Stores on LDAP Server and Created Secure Socket Layer (SSL) Certificates and integrated with WebLogic Servers.
* Performed Web Logic Server Administration tasks such as installation, configuration, monitoring and performance tuning. Configured WebLogic Virtual hosts. Implemented scripts for administration using Python and Shell Scripting. Managed JNDI and Security and configured and monitored JMS.

**EDUCATION:**

**JNTU**, Hyderabad, India

Bachelor’s in mechanical engineering, 2002 – 2006

**University of Bridgeport**, Connecticut, U.S.

Master’s in mechanical engineering, 2007-2009