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**Cloud DevOps Engineer Mobile: 772-249-1454**

**Professional Summary:**

Overall 7 years of IT industry experience comprising of DevOps/Cloud, Build Engineering and Release Management process, including end-to-end code configuration, building binaries & deployments of artifacts.

**Technical Skills:**

**Cloud Computing** : AWS (EC2, IAM, Elastic Beanstalk, Lambda, ELB, RDS-My- SQL, S3, Glacier, Route 53, SES, VPC, KMS and ECS), Azure(AKS), Docker, OpenShift/Kubernetes, Cloud Foundry.

**CI/CD Tools** : ANT, Maven, GIT, SVN, Jenkins, Bamboo, Sonar, Nexus/JFrog.

**Infrastructure Automation Tools** : Chef, Puppet, Ansible/Salt-stack.

**Automation:**     **Automation Scripting/ Languages** : Shell scripting, Python, Ruby and Perl Scripting.

**Database** : NoSQL (mongo dB, DynamoDB), MySQL, PostgreSQL, Redis, RabbitMQ.

**Networking/ Protocols** : DNS, LDAP, TCP/IP, FTP, HTTP, HTTPS, SSH, SFTP, SCP, SSL, DHCP.

**Operating Systems** : Linux (RedHat 5/6/7.x, CentOS, CoreOS, Ubuntu), Windows, AIX.

**Microservices** : Spring boot.

**Bug Tracking Tools** : JIRA, Bugzilla.

**Monitoring Tools** : Cloud Watch, Nagios, Data dog, Splunk and ELK

**Professional Experience:**

**Client: State Street Corporation, NYC July 2017 – Present**

**Role: System Analyst/AWS Engineer**

**Responsibilities:**

* Designed, configured and managed public/private cloud infrastructures using Amazon Web Services (AWS), which includes VPC, EC2, S3, Cloud Front (CDN), CloudWatch, ELB, SNS, SQS, Lambda, Elastic Beanstalk and EC2 Systems Manager.
* Build customized Amazon Machine Images (AMI), deploy AMIs to multiple regions and launch EC2 instances using these custom images.
* Configured AWS Security Groups which acts as a virtual firewall that controls the traffic for one or more AWS EC2 instances.
* Understanding of secure-cloud configuration (Cloud Trail, AWS Config), networking services (VPC, Security Groups, VPN etc.) and created roles (IAM)
* Experience in AWS CloudFront, including creating and managing distributions to provide access to S3bucket or HTTP server running on EC2 instances.
* Build infrastructure as a code using Terraform and Cloud Formation Templates (JSON and YAML).
* Updating kernel & security patches in Amazon Linux environment, handling out of memory issues in Linux kernels during rebalance in Kafka cluster.
* Created Automation to create infrastructure for Kafka clusters different instances as per components in cluster using Terraform for creating multiple EC2 instances & attaching ephemeral or EBS volumes as per instance type in different availability zones & multiple regions in AWS.
* Implemented a Continuous delivery framework using Jenkins, Ansible, Puppet, Maven and Oracle in Linux Environment.
* Implemented Ansible Playbooks using YAML script for various Linux roles like Nginx, Redis & common Linux services like apt, yum, syslog.
* Utilized Kubernetes and Docker for the runtime environment for the CI/CD system to build, test, and deploy.
* Installed and configured an automated tool Puppet that included the installation and configuration of the Puppet master, agent nodes and an admin control workstation.
* Configured Puppet Enterprise in POC for Windows and Linux Environments and successfully deployed the nodes.
* Installation and configuration of Splunk product at different environments.
* Created an on-premise CI/CD solution using Jenkins and the Pipeline plugin which uses pipeline as code.
* Extensively Used Apigee to provide deployments for both cloud and on-premise environments.
* Implemented and maintained F5 Load balancing for High Availability and Fail over Functionality and managing troubleshooting issues like Server hang, Application Deadlock, Out of Memory, High CPU usage.
* Handled installation, administration and configuration of ELK stack on AWS and performed Log Analysis.
* Edited Elasticsearch config files and YAML files to meet the needs of the company environments.
* Used AppDynamics to monitor application and hardware performance and installed contrast agents in Application servers to scan application's security.

**Environment**: Git/Bitbucket, ELK stack (Elasticsearch, Logstash, Kibana), Nginx, Jenkins, Puppet, AppDynamics, AWS (S3, Cloud Trail, Cloud Watch, Ec2, IAM roles, Ec2 Systems Manager, Cloud Formation, Elastic beanstalk, VPC and KMS).

**Client: Bank of America, Jersey City, NJ            Dec 2016 – June 2017**

**Role: Configuration Management Developer**

**Responsibilities:**

* Monitoring day-to- day administration like adding user, group and maintenance operations of the company network and systems working on Linux Systems.
* Involved in developing custom scripts using Python, Shell (bash), PowerShell to automate jobs.
* Installed, configured and administered and integrated Apache Web Server to work with WebLogic /JBOSS Application Server.
* Experience in Private Cloud and Hybrid cloud configurations, patterns, and practices in Windows Azure and SQL Azure and in Azure web and database deployments.
* Building and Installing servers through Azure Resource Manager Templates (ARM).
* Setup Azure Virtual Appliances (VMs) to meet security requirements as software-based appliance functions (firewall, WAN optimization and intrusion detections).
* Used MySQL for users’ related data, MongoDB for products information data.
* Automated the Integration and deployment of application across various environments with Jenkins.
* Worked on MongoDB database concepts such as Locking, Transactions, Indexes, Replication, Schema design.
* Implemented CICD build and deployment pipeline in VSTS to Cloud and On-prem resources.
* Complete release pipeline creation and maintenance for Software Packaging, CI, & Release via Mercurial, TeamCity, & Octopus Deploy.
* Involved in developing and deploying of micro services using technologies like Docker, Kubernetes in combination with Chef.
* Worked on Scheduling, deploying and managing container replicas on a node cluster using Kubernetes and created.
* Involved in setting up of docker and creating new images and getting images from docker hub and performing the builds.
* Implemented Ansible playbooks on Ansible Tower to deploy 3-tier Web applications, manage environment specific configurations, user access, Mount points and Package installations.
* Experience in writing Ansible playbooks using YAML scripts for deployments.
* Implemented Ansible to manage all existing servers and automate the build/configuration of new servers.
* Install and configure the Rabbit MQ environment for the Analytics and setup the supervisor for managing process availability.
* Proposed and implemented emerging technologies such as Netflix Zuul edge service and Eureka Service Registry.
* Extensively worked on puppet which includes Installing puppet master, agents, writing manifests and pushing them to agents for CI and CD.
* Responsible to prepare release note for deployment in UAT and PROD (release coordinator for every release).
* Managed and monitored the JVM performance by WebLogic Heap Size, garbage collection, JDBC Pools and Multi pools.
* Installed, Managed and Configured Managed monitoring tools such as Splunk and Nagios for motoring the log files, Network Monitoring and log trace monitoring.
* Convey release notes to appropriate business partners as needed for each release.
* Design application specific SQL queries to troubleshoot raised production issues by LOB (Line of Business).

**Environment:**  Ansible (config management), YAML, VMWARE, GIT (repo), JIRA(ticketing), RabbitMQ, Ubuntu, Jenkins (pipelines, automation), Nagios, ELK, FTP, Maven, Sonar (code coverage), Nexus.

**Client: Noble-Soft Solutions, PA** **Dec’ 15 to Nov’ 16**

**Role: Cloud engineer**

**Responsibilities:**

* Migrate SVN repositories to Git and administrate Gitlab/GitHub to manage Git repositories.
* Involved in designing and deploying a multitude application utilizing almost all of the AWS stack (Including EC2, Route53, S3, RDS, Dynamo DB, SNS and SQS) focusing on high-availability, fault tolerance, and auto-scaling in AWS Cloud formation.
* Configure AWS VPC with public and private subnets and Security Groups to maintain high security.
* Provision and/or decommission AWS EC2 instance and set-up micro services environment.
* Apply Auto Scaling and Elastic Load Balancing to create high availability and fault tolerance to EC2 instances.
* Migrated retail environments to AWS ensuring complete support for existing Chef Implementation
* Written various Lambda services using Python and Java
* Created monitors, alarms and notifications for EC2 hosts using Cloud Watch and develop Cloud Formation scripts to automate EC2instances.
* Build CI/CD pipelines for application and service delivery into Cloud Foundry via Jenkins - build and release with GIT and JFrog Artifactory.
* Experience executing the CI Jenkins build job for Java application builds. Using GIT (Stash) tool as the source code repositories for all projects and Artifactory for all builds release repository.
* Very good experience working on continuous integration and Continuous Delivery(CI/CD) tools such as Jenkins and Bamboo and did support and backup, also implemented BDD framework.
* Experience in using various network protocols like HTTP, UDP, FTP, and TCP/IP.
* Worked on Puppet for the deployment of servers with custom scripts.
* Worked on installing and managing different monitoring tools like Nagios and Splunk
* Installed and managed AppDynamics on AWS Cloud environments for Application Performance Management and Analytics.
* Involved in Shell and Perl scripts for compilation and deployment processes and automation of builds and PowerShell for Windows deployment and administration.

**Environment:** Oracle WebLogic 9.x/10.x, Oracle 11g, Solaris 10, Concourse, TFS, LINUX, SVN GIT, Gradle, Puppet, Jenkins, IOS/Android, LDAP, HP Quality Center, Wily.

**Client: M&T Bank, NY Jan’ 15 to Sep’15**

**Role: DevOps Engineer**

**Responsibilities: -**

* Installed Chef-Server Enterprise On-Premise/WorkStation/ Bootstrapped the Nodes using Knife.
* Experience in dealing with Windows Azure IaaS - Virtual Networks, Virtual Machines, Cloud Services, Resource Groups, Express Route, Traffic Manager, VPN, Load Balancing, Application Gateways, Auto-Scaling.
* Configured and maintained automated environment using Chef Recipes and cookbooks to manage system configuration.
* Developed procedures to unify, streamline and automate application development and deployment procedures with Linux container technology using Docker.
* Developing scripts for build, deployment, maintenance and related tasks using Jenkins, Docker, Maven, Python and Bash
* Configures DNS, NFS, FTP, remote access, and security management.
* Created a fully Automated Build and Deployment Platform and coordinating code builds, promotions and orchestrated deployments using Jenkins and GIT.
* By using Jenkins as a full cycle continuous delivery tool involving package creation, distribution and deployment onto tomcat application servers via shell scripts embedded into Jenkins jobs.
* Demonstrated experience in deploying and configuring applications on Windows and Linux environments and Create Image, configure, and install Windows and Linux VMs in a cloud environment.
* Worked with JIRA for creating Projects, assigning permissions to users and groups for the projects & Created mail handlers and notification Schemes for JIRA.

**Environment:** Sun Solaris, UNIX, Windows/Linux, Perforce, C#, .net, Visual Studio, PowerShell, Tomcat Apache,

**Client: Info-grid Technologies, India July 2013 to July 2014**

**Role: DevOps Engineer**

**Responsibilities:**

* Experience with AWS services (EC2, S3, RDS, EBS, VPC, IAM, Cloud formation, Auto scaling) and provided enhanced security and identity access management (IAM) for AWS account.
* Managed the source codes repository of multiple development applications using Perforce version control tools and involved in Testing - unit testing (JUnit) & integration testing EJB's.
* Helped customers deploying their applications in AWS cloud using Ops-works, Code deploy, Elastic beanstalk, trouble shooting customer's cloud formation stacks.
* Working on AWS Auto Scaling for providing high availability of applications and EC2 instances based on the load of applications by using Cloud Watch in AWS.
* Working on providing DNS management using AWS Route 53.
* Worked in configuring Elastic Bean Stalk for developers to quickly deploy application for testing and pushing developed code for testing.
* Created and configured jobs, script builder, custom command builder, agents in Bamboo.
* Implemented Continuous Integration and Continuous deployment using various CI Tools like Jenkins, Hudson, and Bamboo etc.
* Setup up and maintenance of automated environment using Chef Recipes& books within environment. Good understanding on Knife, Chef Bootstrap process etc.
* Involved in phases of testing for example Integration testing, Smoke testing Performance testing and Load testing. We are also using inbuilt test cases in Jenkins and running those tests on master branch.

**Environment:** Java, Ant, Maven, Jenkins, Aws, Junit, jQuery, XML, Json, Postman Chef, RHEL, Ubuntu.

**Client: Info-grid Technologies, India Jan 2011 to June 2013**

**Build Engineer/Java Developer**

**Responsibilities:**

* Responsible for User Management, Plugin Management and End-to-End automation of Build and Deployment process using Jenkins and uDeploy.
* Build and deployment scripts MAVEN as build tools in Jenkins to move from one environment to other environments.
* Configured Managed and controlled the source code repository, currently housed in Subversion, GIT.
* Involved in Day-to-Day System Administration tasks on RHEL/CentOS 5.x/6. x.
* Monitored, troubleshooting, supported and fixed operating system and hardware problems on several versions of UNIX systems.
* Created test servers using Windows Server 2008 R2. Experience with Active Directory.
* Experience in installing, administering, updating/upgrading ESX/ESXi servers, Virtual Center servers and windows virtual machines using VMware Update manager and manual upgrades.
* Set up V-Motion, High Availability (HA), Distributed Resource Scheduler (DRS), and related VMware products such as VM Workstation.
* Experience in writing bash scripts for job automation.
* Developed a RESTful API that provided account management capability as well as security role lookup and management for all downstream dependencies.
* Involved in coding and testing of B2B financial application.
* Responsible for the design and development of the application framework.
* Designed and Developed UI's using JSP by following MVC architecture and Spring Framework.
* The views are programmed using JSP pages.
* Model is a combination of EJB and Java classes and web implementation controllers are Servlets.
* Used EJB for server-side transactions.

**Environment:** Jenkins, Git, Svn, Linux (Red Hat Enterprise, CentOS), Windows 2000/NT, HP, IBM, Solaris, Oracle 8i.