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**Chandra**

**Visa status: US Citizen**

**Sr. DevOps Engineer**

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**Called on 11/19/21-lf-**

available- sr devops- over 10 yrs exp in US- cand do both W2, C2C- expt 75 on W2 and 85 on C2C- currently in GA- looking for rem opportunities

**PROFESSIONAL SUMMARY:**

* Over **9+ years** of experience in IT industry with major focus on **DevOps**, **Software Configuration Management** and **Build/Release management** using different cloud services of **AWS (Amazon web service), Microsoft Azure** and as a major infrastructure.
* Experience in **Azure IaaS, PaaS, Provisioning VM's, Virtual Hard disks, Virtual Networks, Deploying Web Apps** SQL Azure, NoSQL, Storage, Network services, Azure Active Directory, Azure service bus, API Management, Scheduling, Auto Scaling, and Power Shell Automation. And used **Azure service fabric** to package, deploy, and manage scalable and reliable microservices and containers.
* Strong Windows Azure experience dedicated to the **.NET stack of technologies, proficient in IT operations including in Windows Azure deployments**, incident management, production support for all types of Azure components, IIS/SQL server, IT administration and maintenance, Project Management and **PowerShell scripting**.
* Experienced with Big Data architectures running on **Azure Data Platform - Azure Data Lake, Data Factory, Data Management Gateway, Azure Storage Options, Document DB, Data Lake Analytics, Stream Analytics, Event Hubs, Azure SQL.**
* Experience **Azure Platform** Development, Deployment Concepts., hosted Cloud Services, platform service and close interface with **Windows Azure Multi-Factor Authentications** andContinuing architectural changes to move software system offerings to a distributed, service-based architecture; utilizing **Docker**/**Kubernetes** technologies
* Exposed to all the aspects of Software Development Life Cycle (SDLC), In depth understanding of the best practices and principles of Software Configuration Management (SCM) in Agile, Scrum and Waterfall methodologies.
* Experience in databases like Oracle 10i/9i/8i, PL/SQL, SQL Developer and MYSQL.
* Extensive working experience and knowledge with broad range of **AWS Cloud** Services like **EC2, ELB, Auto Scaling, VPC, Route53, RDS, S3, IAM, SNS, SQS, Dynamo DB, Elastic search, Elastic File system (EFS), Cloud Foundry, CloudWatch, Cloud Trail, Lambda, Service Catalog, Kinesis, Redshift Cluster, OpsWorks and in Cloud Security (OAuth2 and SAML)** and good knowledge on **Amazon kinesis firehose**.
* Knowledge of utilizing cloud technologies including **Amazon Web Services (AWS), Microsoft Azure and Pivotal Cloud Foundry (PCF).**
* Worked in automation, setup and administration of build and deployment **CI/CD tools** such as **Jenkins, Anthill Pro and UDeploy/Ucode** and integrated with Build Automation tools like **ANT, Maven, Gradle** and other Atlassian products- **Bamboo, JIRA, BitBucket** for building of deployable artifacts (**JAR, WAR & EAR, and DLL & EXE**) from source code.
* Experience in branching, tagging and maintaining the version across the environments using **SCM tools** like **Subversion (SVN), CVS and Git** on Unix and Windows environment on standalone and VM’s.
* Experience in developing **Chef cookbooks, recipes, roles and data bags** to automate the services related to deployment.
* Expertise in implementing detailed systems and services monitoring using **Nagios and Zabbix** services **AWS cloud** resources.
* Configuring and managing an **ELK** stack, setup the Elasticsearch **ELK** Stack to collect, search and analyze log files from across the servers. Evaluated system logs using **ELK** software stack.
* Experience in automating large-scale deployments with software **configuration management (CM)** tools (**Chef, Puppet, Ansible etc**)
* Hands on experience in **Configuration Management** (CM) policies and practices with regards to **software development life cycle (SDLC)** along with automation of scripting using **BASH/Shell/PowerShell, Perl, Python** scripting.
* Experience in automating the cloud deployments using **chef, python** (**botawakubero** & fabric) and **AWS** Cloud Formation Templates.
* Good understanding of other cloud technologies like **Microsoft Azure, Google Cloud Platform, and OpenStack.**
* Experience on maintaining various code built on various applications built on **Java/J2EE, C#, .Net.**
* Experience with configuring and working on **Docker** and Writing **Chef** recipes using **Ruby**.
* Experience in experience on application server maintenance and **J2EE** application deployment in application servers like **Apache, Tomcat, IBM Web Sphere, and Oracle Web Logic**.
* Worked on Setting up **Linux servers** with JBoss, Apache, JDK 1.7**, JIRA, Bamboo, Stash** and I also support other groups with products on **Linux servers**.

**Technical Skills:**

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| **Operating Systems** | Linux (Red Hat 4/5/6/7, CENTOS & SUSE), Red Hat Linux 4/5/6/7, Windows servers [2003, 2008, 2008 R2, 2012, 2012R2], Windows 2000, XP, Windows 7, Ubuntu 12/13/14, Solaris 11/10/9/8. |
| **Cloud Platform** | Amazon Web Services, Azure, OpenStack, PCF and Google Cloud. |
| **Application Servers** | Web Logic Application Server 9.x, 10.x, Apache Tomcat 2.0.x, JBOSS 4.x/5.x, Red Hat, WebSphere 6.x/7.x/8.x |
| **Automation Tools** | Puppet, Chef, Docker, Ansible, Jenkins, Kickstart, Jumpstart, Terraform, Kubernetes. |
| **Virtualization** | VMware Client, Windows Hyper-V, vSphere 5.x, Datacentre Virtualization, Virtual Box, KVM, Power VM |
| **Volume Manager** | Logical Volume Manager, VERITAS Volume Manager, Solaris Volume Manager |
| **Version Control Tool** | Git, SVN, Bitbucket, CVS. |
| **Database Technologies** | Oracle, SQL Server, MySQL, NoSQL, MongoDB, Cassandra, DynamoDB, Couchbase. |
| **Scripting** | Perl, Python, Ruby, Bourne, Korn and Bash Shell scripting, PowerShell, YAML format, JSON format. |
| **Monitoring tools** | Splunk, Nagios, ELK, App dynamic, Cacti |
| **Networking Protocol** | TCP/IP, NIS, NFS, DNS, DHCP, SMTP, FTP/SFTP, HTTP/HTTPS, NDS, Cisco Routers/Switches, WAN, LAN |

**Experience:**

**Client: FCCI Insurance, Richardson, TX Aug 2019 – Till Date**

**Role: Sr. DevOps/Cloud Engineer**

**Responsibilities:**

* Build and configure a virtual data centers in the **Amazon Web Services (AWS)** cloud to support Enterprise Data Warehouse hosting including **Virtual Private Cloud (VPC)**, Public and Private Subnets, Security Groups, **Route Tables, Elastic Load Balancer**.
* Integrated Docker into various infrastructure tools, including **Ansible, Puppet, and VMware vSphere** Integrated Containers.
* Used **Kubernetes** to deploy scale, load balance, scale and manage **Docker containers** with multiple namespace versions.
* Created **REST API** to store, update, read and delete bucket information on Consul using **Kubernetes** interfaces.
* Developed **microservice** onboarding tools leveraging **Python** and **Jenkins** allowing for easy creation and maintenance of build jobs and **Kubernetes** deploy and services
* Implemented **LDAP** integration to filter the security for the Prod, Dev and Test environment for Deployment jobs in **Jenkins**.
* Converted existing **AWS infrastructure** to server less architecture **(AWS Lambda, Kinesis)** deployed via **Terraform** and **AWS** Cloud formation.
* Automated Build and Deployment process-setup Continuous Integration and Continuous Deployment of applications onto different environments like Dev, QA and Production.
* Created Ansible scripts for EC2 instances, Elastic Load balancers and S3 buckets, Planned, developed & maintained Infrastructure as code using CI/CD deployments using Ansible.
* Design and modification to migration tool that utilize C# .Net and open text RESTful web services to interact with Open Text Content server.
* Worked on Logging and APM tools AppDynamics, Zabbix, Splunk, ELK (Elasticsearch, Logstash, Kibana).
* Written Templates for AWS infrastructure as a code using Terraform to build staging and production environments.
* Designed and implemented CI/CD for all our cloud components using Jenkins and reduced deployment times by more than 50%. This in turn increased developer productivity and enabled us to release our product more often with confidence
* Created automated pipelines in AWS Code Pipeline to deploy Docker containers in AWS ECS using services like Cloud Formation, Code Build, Code Deploy, S3 and Ansible.
* Used AWS Beanstalk for deploying and scaling web applications and services developed with Java and Docker on familiar servers such as Apache, and IIS.
* Made recommendations and developed technical design for new applications to be put on the **DevOps** pipeline and exposed to **Sonar** for code review and **Fortify** for security scanning.
* Built a deployment pipeline for deploying tagged versions of applications to **AWS** Beanstalk using **Jenkins.**
* Implemented continuous integration using Jenkins and configured various plugins GIT, Maven, Sonarqube, Nexus.
* Done performance testing of the web services using Jmeter scripts.
* Worked on **Jenkins** for continuous integration and for End-to-End automation for all build and deployments.
* Provisioned load balancer, auto-scaling group and launch configuration for microservices using Ansible.
* Developed Windows PowerShell script to automate setting of user credentials and activation of Windows Helping the Project team to get transformed to Scrum methodology using TFS (Team foundation server).
* Scheduler for periodic backups of Jenkins, **JIRA** and **PostgreSQL**.
* Implemented continuous deployment pipeline with Jenkins and Jenkins workflow on Kubernetes.
* Designed, configured and deployed Amazon Web Services (AWS) for a multitude of applications utilizing the AWS stack (Including EC2, Route53, S3, Cloud Formation, Cloud Watch, SQS, IAM), focusing on high-availability, fault tolerance, and auto-scaling.
* Wrote **MAVEN** Scripts to automate the build process.
* Managed the **Maven** Repository using Nexus tool and used the same to share the snapshots and releases of internal projects.
* Production experience in large environments using configuration management tools chef, puppet.
* Created AWS EBS volumes for storing application files for use with AWS EC2 instances whenever they are mounted to them.
* Involved in Configuring NFS, NIS, DNS, SSL, HTML and HTTP.
* Responsible for Data Center scale tool-chaining (Docker, Cassandra, Micro-Services).
* 24/7 support for application deployments and support of lower level environments as well.

**Environment:** AWS EC2, S3, Maven, Jira, Jenkins, Docker, ELK, Ansible, Chef, Kubernetes, MS SQL Server, Oracle, PowerShell, Windows 2008 R2/2003 R2 Servers, GIT, UNIX & Linux,

**Client: Cypress Health Care, Duluth, GA Apr 2017 – Jul 2019**

**Role: Sr. DevOps/AWS Engineer**

**Responsibilities:**

* Responsible for working closely with DevOps team to create, customize and manage the chef cookbooks and provisioning the highly available EC2 Instances using terraform and cloud formation.
* Developing prebaked AMI’s used for base prebaked instance images for client environment and launching VPC’s using cloud formation and terraform.
* Migrated **VMWARE VMs** to **AWS** and Managed Services like EC2, S3 Bucket, Route53, ELB, EBS, etc., with **Opscode Chef Cookbooks and recipes**
* Worked on **AWS Cloud Formation templates** to create custom-sized **VPC, subnets, EC2 instances, ELB,** security groups. Worked on tagging standard for proper identification and ownership of **EC2 instances** and other **AWS** Services like Cloud Front, CloudWatch, OpsWorks, RDS, ELB, EBS, S3, glacier, Route53, SNS, SQS, KMS, Cloud Trail, IAM.
* Hands-on experience in working with setting up **CI/CD** pipeline integrating various tools with **CloudBees Jenkins** to build and run **terraform jobs** to create infrastructure in **AWS**.
* **AWS EC2, VPC, S3, SNS, Redshift, EMR** based infrastructure automation through **Terraform, Chef, Python, Bash** Scripts and Managing security groups on **AWS** and custom monitoring using **CloudWatch.**
* Installed **Pivotal Cloud Foundry (PCF) on EC2** to manage the containers created by **PCF**. Used **Docker** to virtualize deployment containers and push the code to **EC2 cloud** using **PCF**.
* Implemented and maintained **Chef**, **OpsWorks** Configuration management extending several environments in VMware, **AWS** **cloud** and created Cookbooks for Chef using the **Ruby** programming language.
* Deploying, managing, and troubleshooting **VMware vRealize** Automation, **vRealize** Orchestration, **vRealize** IaaS (Infrastructure as a Service), **vRealize DEM** (Distributed Execution Manager), and **vRealize SSO** Servers (Single Sign-On) across multiple data centers.
* Written **Chef** **Cookbooks**, recipes using Ruby to automate the installation of Middleware Infrastructure like **Apache** **Tomcat**, **JDK**, and configuration tasks for new environments.
* Written **Ansible Playbooks** with **Python SSH** as the Wrapper to **Manage Configurations** of **Nodes** and Test Playbooks on **AWS instances** using **Python SDK** and Automated various infrastructure activities like continuous deployment, application server setup, stack monitoring using Ansible playbooks**.**
* Creating inventory, job templates and scheduling jobs using **Ansible** **Tower**. Downloaded and managed **Ansible** **roles** from **Ansible** **Galaxy** to automate the infrastructure.
* Created **Ansible** **Playbooks** to provision **Apache** Web servers, **Tomcat** servers, **Nginx**, **Apache** **Spark** and other applications.
* Configured and maintained **Jenkins** to implement the CI process and integrated the tool with **Maven** to schedule the builds. Took the sole responsibility to maintain the CI Jenkins server.
* Installed **Jenkins** on a Linux, created master and slave configuration, and drove all microservices builds out to the **Docker** registry. Build scripts using **Maven** in Jenkins to move from one environment to other.
* Creating and Implementing **branching** and **merging** strategy with multiple branches and used **Git** as source code management repository to keep track of version changes.
* Implemented a centralized logging system using log stash configured as an **ELK** stack (**Elastic search, Log stash, and Kibana**) to monitor **system logs, VPC Flow logs, Cloud Trail Events**, changes in S3 etc.
* Engineered **Splunk** to build, configure and maintain heterogeneous environments and have in-depth knowledge of log analysis generated by various systems including security products.
* Designed and implemented **GIT** metadata including elements, labels, attributes, triggers and hyperlinks and performed necessary day to day **GIT** support for different projects.
* Developed **Dev, Test and Prod** environments of different applications on **AWS** by provisioning **Kubernetes** clusters on **EC2 instances** using **Docker, Ruby/Bash, Chef, and Terraform**
* Responsible for writing the **Terraform** scripts to install the **kubernetes** cluster and its dashboard on to the OpenStack cloud.
* Configure ELK stack in conjunction with AWS and using Log Stash to output data to AWS S3.
* Involved in AWS EC2/VPC/S3/SQS/SNS based automation through Terraform, Ansible, Python, Bash Scripts.
* Administered, deployed and managed RedHat, Ubuntu, Windows and CentOS servers. Using **Perl, Bash, Shell scripting** and automated log backup using **Python Boto3 API**, managed batch jobs in Linux for data automated import/export of data and system automation programming.
* Hands on experience in administration and maintenance of services like **HTTP, HTTPS, SMTP, FTP, LDAP and NFS**. Also, mount **NAS** exported shares on client machines.

**Environment:** Amazon wed services (AWS EC2/AMIs/VPC/S3/IAM/glacier), AWS Opsworks, AWS cloud trails, CloudWatch, Redshift, EMR, Continuous Integration and Continuous Delivery (CI/CD), Azure, ClearQuest, Junit, Pivotal Cloud Foundry (PCF), Chef, Ansible, ELK (Elasticsearch, Logstash, Kibana), Nginx, Drupal, Terraform, Docker, Cassandra database, Kubernetes, Linux, vRealize, vCenter, VMware ESXi, vSphere, AEM, CloudBees Jenkins, Vagrant, Sonarqube, Artifactory, Route 53, Git, GitHub, Nagios, Splunk, Ruby/Bash scripts, JIRA, Apache, Python*.*

**Client: Bealls, Bradenton, FL Jan 2014 – Mar 2017**

**Role: DevOps Automation 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.
* Created **IAM** policies for administration in AWS to assist type applications and teams across local geographical and remote areas. Transfer data from Datacenters to cloud using AWS Import/Export **Snowball** service.
* Designed AWS Cloud Formation templates to create custom sized VPC, subnets, NAT to ensure successful deployment of Web applications and database templates.
* Designed and implemented fully **automated server** build management, monitoring and deployment by using Technologies like **Chef.**
* Configured **Chef**at **Linux machines** and schedule jobs to read every 30 minutes.
* Test **Chef Cookbook** modifications on cloud instances and using Test Kitchen and **Chef**Spec.
* Replaced existing manual deployment and management processes with **puppet** and AWS **Ops Works** stacks across product platforms.
* Created **Lambda** functions to upload code and to check changes in S3, MongoDB table and to integrate AWS web Application Firewall with **ELB** and **Cloud Front.**
* 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.
* Experienced in creating custom **Build & Deployment automation** solutions in **scripting languages** including **Python, Shell, UNIX shell, Ruby, Perl and PowerShell**. I have worked and administered artifact tools including **Nexus and Artifactory.**
* 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.
* Associated with DBAs for installation of Oracle database on **Linux** servers & for tuning, backup and restore.
* Experience with **RHEL** Linux systems, virtualization in a large-scale environment, experience with Linux Containers.
* Create and Cloned **Linux** Virtual Machines, Templates using VMware vSphere Client and migrating servers between Esxi Hosts.
* Performed FVT in conjunction with TSM/HSM, NFS, SSL, SSH, Samba to thoroughly test GPFS security and other functions on **Linux** and AIX.
* Installing and applying security policies on **Red Hat Linux** for hardening the server based on the company's policy.
* Worked on setting up **Linux** servers for **Oracle** Real Application Clusters and configuring SAN
* based mount points and Perform day to day Linux administration such as user accounts, logon scripts, directory services, file system shares, permissions.

**Environment:**Linux (RedHat 7.x, 6.x, 5.x), Solaris (9/10/11), VMware, RAID, Continuous Integration and Continuous Delivery (CI/CD), Jenkins, ANT, Maven, OpenStack, Nexus, Ruby, MongoDB, Redis, LVM, Puppet, mail (SMTP, IMAP, POP3)

**Client: Signature Bank, Sandy Springs, GA Sep 2011 – Dec 2013**

**Role: Build/Release Engineer**

**Responsibilities:**

* Worked in **Agile Project management** Process, **JIRA** for Issue Tracking and monitoring and with the Architects on **SDLC**
* process being the owner of post-development environments
* Converting the **ANT** Build projects to **Maven** Build projects. Experience in development of build scripts using Ant, Maven.
* Used combination of Puppet Master, R10K Wrapper, **Git** Enterprise, **Open** **stack**(Horizon), **Vagrant** and SimpleUI(Jenkins) developed a puppet module for automation.
* Set up customized monitoring with **Nagios**, &PNP4Nagios Graphs for the legacy and new environments.
* Worked on **SonarQube dashboard** to review the code changes and the reviewer would comment or make necessary changes.
* Deployed **Puppet, Puppet Dashboard, and Puppet DB** for configuration management to existing infrastructure.
* Created custom **modules** and **manifests** in **Puppet** using **Facts, Resource Types** and **Provider** to configure, install and run various applications and customized puppet scripts to perform further provisioning for entire stack.
* Managed deployment automation using **Puppet Roles, Profiles, MCollective, Hiera, and Custom Puppet modules.**
* Installed **Jenkins** on a Linux machine and created a **master and slave configuration** to implement multiple parallel builds through a build farm.
* Used Jenkins for Continuous Integration and deployment into **Tomcat Application Server**
* Maintained build related scripts developed in shell for **Maven builds**. Created and modified build configuration files including **POM.xml**. Configured **Jenkins** to build Java Code using Meta Case Software and executed CI process on the **Java** code generated.
* Proposed different branching strategies for **SVN** to support the parallel development for various projects.

**Environment:** (SVN), TFS Version 2013, Jenkins, Jira, Java/J2EE, C#, API Developer, ANT, MAVEN, Puppet, Nexus, UrbanCode, Web Logic, Python, Shell Scripts, XML, UNIX, Linux (RHEL), Windows XP, Oracle, JIRA, Udeploy.