

AWS DevOps Engineer Consultant



Professional Summary:

- Overall 8 years of experience in offering outstanding services in IT industry with strong background in **Linux Administration, Build & Release, DevOps, AWS Cloud Infrastructure** and knowledge of different practices including but not limited to **Configuration Management, Containerization, Continuous Integration** and **Continuous Delivery**.
- Extensive experience includes **SCM, Change/Incident Management, VMware and AWS Cloud computing**.
- Responsible for design, implementation and success of **Terraform** Infrastructure as Code to migrate automation of very large
- Hands-on Experience in converting the agile process to the DevOps Framework.
- Strong hands on Experience with scripting languages like **Python, bash, Perl**.
- Experience in **Linux Administration** (Installation, Configuration, Tuning and Upgrades of Linux (Red Hat and Oracle).
- Experience in working on version control systems like **Subversion(SVN) and GIT, ClearCase, Stash** used Source code management client tools like **Visual SVN, Tortoise SVN, Stash, SourceTree, Git Bash, GitHub, Git GUI** and other command line applications etc.
- Experience in several AWS services **EC2, VPC, S3, Cloud Watch, Auto scaling configurations** etc.
- Experience in using Build Automation tools and Continuous Integration concepts by using tools like **ANT, Jenkins, Teamcity, QuickBuild, Docker, Buildforge** and **Maven**.
- Written Templates for AWS infrastructure as a code using **Terraform** to build staging and production environments.
- Experienced in branching, tagging and maintaining the version across the environments using SCM tools like **GIT, Subversion (SVN) and TFS** on Linux and windows platforms.
- Extensive experience in implementing DevOps tools and pipelines using **Jenkins, Nexus Artifactory, TeamCity, Chef, Puppet, Docker** and **Packer** etc. for continuous integration and delivery.
- Utilized Kubernetes, TeamCity and **Docker** for the runtime environment of the CI/CD system to build, test and deploy.
- Knowledge of using Routed Protocols: **FTP, SSH, HTTP, TCP/IP, and HTTPS**.
- Experience in Java, C, C++, C# and manage software Configurations and builds in a UNIX environment.

Technical Skills:

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| Operating systems | Windows, Mac, Ubuntu, Linux (RedHat 3.x,4.x,5.x,6.x SUSE 10)VMware ESX 3.x,4.x, Hardware |
| Build Tools | Maven, Ant. |
| Continuous Integration | Hudson, Jenkins. |
| Scripting | Shell, Python, Ruby, PowerShell, Groovy, Golang |
| Configuration Management | Ansible, Chef, Puppet |
| Web Tools | JSP, PHP, XML, Spring Boot. |
| Databases | MYSQL, NOSQL. |
| Application Servers | Apache Tomcat, WebLogic, WebSphere, Jboss |
| Monitoring Tools | Splunk, Nagios. |

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| Cloud | AWS, Microsoft Azure, Google Cloud Platform. |
| Version Control Tools | Git, SVN, Perforce. |
| Containerization Tool | Docker. |

Professional Experience:

Walgreens – Deerfield, IL

Jan 2017 – Current

DevOps/Cloud Engineer with AWS and IAM

Responsibilities:

- Responsible for specialization areas related to **Ansible** for **Cloud Automation**.
- Worked on security policies, user, credential management, multi factor authentication, roles and groups.
- Maintain AWS **EC2** instances, **Elastic Load Balancer** (ELB) and **Relational Database Service** (RDS).
- Worked on core AWS services such as Setting up new server (**EC2**) instances/services in AWS, configuring security groups, setting up Elastic IP's, auto-scaling config, and Cloud Formation.
- Configured **Route 53** by using CFT templates, assigned the **DNS** mapping for the AWS servers and troubleshoot the issues of the Load Balancer's, **auto scaling groups** and **Route 53**.
- Designed, implemented and supported fully automated CI and CD processes using Puppet and **Terraform**.
- Produced comprehensive architecture strategy for environment mapping in AWS that involved Active Directory, **LDAP**, **AWS Identity** and **Access Management (IAM) Role** for AWSAPI Gateway platform.
- Implemented Micro Services with **AWS ECS Docker**, code build, packaging, pipeline, provisioning, deploy, commit process and change management.
- Used AWS **S3** service as **Build Artifact repository** to create release-based buckets to store various modules/branch based artifact storage.
- Create **AWS RDS MySQL DB** cluster and connected to the database through an **Amazon RDS MySQL DB** Instance using the **Amazon RDS** Console.
- Extensively worked with **MAVEN** and **ANT** as a Build Tool for the building of deployable artifacts (war & ear) from source code. Working with DevOps team on areas related to **Ansible** for Cloud Automation.
- Worked on Micro-services. Deploying micro-services using **Kubernetes YAML** files.
- Written **Kubernetes YAML** files for developers to manually deploy in the cluster.
- Implement a Continuous Delivery framework using **Jenkins**, **Ansible**, **Maven** and **Nexus** in Linux environment. Worked with Nexus Repository Managers for **Maven** and **Ant** builds.
- Configure, Install and Administering the Jenkins Continuous Integration servers.
- Created **end to end build automation and CI** setup for button click push deployment.
- Written **Play books** to perform middleware binary Installation and Configuration tasks involving JDK, Tomcat, and WebLogic binaries installation.
- Provide expertise in cloud services including **IaaS** (AWS), **PaaS**, and **SaaS** with knowledge of virtualization techniques such as VMware.

Environment: EC2, Auto Scaling, Route 53, S3, IAM, RDS, ELK, Autosys, Omniture, Dynatrace, Kibana, Kubernetes, Cloud Watch, Git, Splunk, GitHub, Gradle, Jenkins, Docker, Terraform, TFS, Python Script , Puppet, Perl Script, Ruby Script, Shell Script, and JIRA.

Orion – Woodcliff Lake, NJ

June 2015 to Dec 2016

AWS / DevOps Automation Engineer

Responsibilities:

- Worked for Software Configuration Engineer Platform team responsible for specialization areas related to Chef for Cloud Automation.
- Managed the configuration of **Web App** and **Deployed to AWS cloud server through Chef**.
- Manage source control repository in **Subversion**- controlling and monitoring check-in's & create tags for builds.
- Involved in Chef-infra maintenance including backup/monitoring/security fix and on Chef Server backups.
- Implemented Azure APIM modules for public facing subscription based authentication.
- Good in Manage hosting plans for Azure Infrastructure, implementing & deploying workloads on Azure virtual machines (VMs), Design and implement VM storage & good understanding on Implementing images/disks.
- Automated the cloud deployments using **Chef** and **AWS Cloud Formation** Templates.
- Migrated a production infrastructure into an Amazon Web Services (AWS) utilizing **AWS Cloud formation, Code Deploy, Chef** and **EBS**.
- Used **Amazon web servers** for continuous delivery systems.
- Automated setting up server infrastructure for the DevOps services, using **Chef, shell** and **python** scripts.
- Extensively worked with version control systems like **GIT, CVS, Perforce version, Subversion control systems**.
- Developed Python career path through professional development while working on Python projects.
- Completely responsible for automated infrastructure provisioning (Windows and Linux) using **Chef** Scripts.
- Worked on Configuration of Internal load balancer, load balanced sets and Azure Traffic manager.
- Hands on experience on Backup and restore Azure services. Designed and configured Azure Virtual Networks (VNETs), subnets, Azure network settings, DHCP address blocks, DNS settings, security policies and routing.
- Extensive experience with Linux environments like **centos, RHEL, Ubuntu**.
- Responsible for automated deployment of java application in **Tomcat Server** using Chef Scripts.
- Designed and implemented **Chef**, including the **internal best practices, cookbooks, automated cookbook CI and CD system**.
- Experience in migrating on premise to Windows Azure using Azure Site Recovery and Azure backups.
- Defined Chef Server and Workstation to manage and configure nodes.
- Installed Chef Server Enterprise on premise/workstation/bootstrapped the nodes using knife and automated by testing Chef recipes/cookbooks with test-kitchen/chef spec.
- Create RunDeck jobs to integrate with our **Jenkins CI** process and call **Chef** on the deployment servers.
- Worked on Configuration management tool **Chef, Teamcity** and **Docker** for **continuous delivery**.
- Created a **Python** process hosted on **Elastic Beanstalk** to load the **Redshift** database daily from several source systems, including **FTP** and **SFTP** servers and an Oracle database.

Environment: ANT, Maven, JBoss, Apache Tomcat, Sonatype Nexus, Jenkins, Azure, Artifactory, Python, GIT, SVN, Shell Scripts, Chef, Linux, JAVA, .NET

Infinite Computer Solutions
DevOps & AWS Engineer

Oct 2013 to April 2015

Responsibilities:

- Implementing new projects builds framework using **Jenkins & maven** as build framework tools
- Implementing a **Continuous Delivery** framework using **Jenkins, CHEF, Maven** in **Linux environment**
- Written wrapper scripts to automate deployment of cookbooks on nodes and running the chef client on them in a **Chef-Solo** environment, **AWS** server provisioning using **Chef** Recipes.
- Converting production support scripts to chef recipes.

- Setting up client server model of Chef in development environment of OCI
- Maintaining Continuous Integration and Continuous Development for the facilitation of Agile Development.
- Worked on documentation - Chef Basics, Initial setup of Chef, Databags implementation, Coding standards, Cookbook document, testing docs.
- Used **Docker** Micro service to make the tasks easier.
- Used the Docker to setup local development environments exactly like live server.
- Using **Cloud Trail, TESSA, Cloud Passage, Check Marx, Qualys Scan** tools for AWS security and scanning.
- Created monitors, alarms and notifications for **EC2** hosts using Cloud Watch. Defining Release Process & Policy for projects early in SDLC.
- Coordinating with Different Project teams on Build & **release planning** and efforts.
- Responsible for **nightly and weekly builds** for different modules. Setting up cloud based environment to automate deployment.
- Member of **CCM** representing changes for Release and **environment configuration**
- Responsible for **configuring management** of different application layer modules.
- Responsible for **Database build, release and configuration.**
- Perform **Deployment** of Release to various **QA & UAT in Linux environments.**
- Work with different team members for **automation** of Release components.
- Supporting different projects build & Release SCM effort e.g. branching, tagging, merge etc.

Environment: CHEF, Jenkins, Maven, AWS, EC2, Jira, Linux, AWS.

Invesco
Build and Release Engineer

May 2011 to Oct 2013