**Professional Summary:**

* A certified AWS/DevOps/Network professional with 8+years of IT industry experience in AWS, Build and release life cycle management.
* Experienced in implementing **AWS solutions** like VPC, EC2, S3, RDS, EBS, ELB, Route53, Auto scaling groups, CloudFormation, SNS, CloudWatch, Kenisis.
* Migrate the on-premise databases to AWS using Data Migration Services (DMS)
* Experienced in implementing **Hygeia devOps** dashboard and integrate devops tools (Builds, Code repo, Feature)to dashboard.
* Experience with container based deployments using **Docker**, working with Docker images, DockerHub and Docker registries
* Created Cloud Formation template stacks to automate for building new VPCs and deploy AWS resources
* Deployed Java applications/Web-services using CI/CD tools like Jenkins, bamboo, Team city, Puppet, chef in standalone and clustered environments.
* Good Knowledge on writing chef cookbooks, recipes, puppet manifests and modules, resources to automate system operations
* Installing and Administration of all the **Linux/Unix** based web and application servers like **Tomocot, Nginix**, in the network per specifications of clients.
* Experience in writing Shell and **Python**scripts to automate the deployments
* Developed scripts in Python to package log files and send them to a remote server
* Experienced in automating deployment pipelines using Version Control Tools **SVN, Git,** Bit Bucket.
* Hands on experience in configuring and implementing the policies on Palo alto next generation firewalls.
* Experienced in implementing a secure tunnel like GRE, IPSEC VPN.
* Integrating Panorama with Palo alto firewalls, managing multiple Palo Alto firewalls using Panorama in on-premises and in AWS cloud aswell.
* Configuring Net flow device in Palo alto to collect and monitor the ip network traffic.
* Palo Alto installation, configuration, administration, monitoring and implementing the policies and NAT rules.
* Knowledge in Querying **RDBMS** such as Oracle, **MYSQL** and SQL Server by using SQL for data integrity.
* Install and administrate JIRA, Remedy issue tracking tool and create, monitor the project status and resolved various Infrastructure and Application related issues
* Installation and supported SOA middleware products such as Oracle Identity and Access Management using Web Logic server.
* Good Knowledge of using different protocols like FTP, SFTP, SSH, HTTP, HTTPS.
* Certified network and VMware professional to manage the network and virtual environment, and good knowledge on routing, switching protocols (EIGRP, OSPF, BGP, VLAN, Fiberchannel’s), VPN tunnels, ESXi, vCenter, storage types and installations.
* Good knowledge on protocols such SSL, TCP/IP, HTTP, HTTPS,

**Technical Proficiency**

|  |  |
| --- | --- |
| Cloud Services | AWS (EC2, S3, Cloudformation, VPC, Cloudwatch, IAM, Autoscaling, RDS, NoSQL), Zscaler, Open stack |
| Virtualization &Containerization | VMware, Hyper-V, Docker, |
| Automation Tools | Chef, Puppet |
| CI tools | Bamboo, Jenkins, Teamcity |
| Scripting Languages | Shell, Python, PHP, Java Script, JSON |
| Issue Tracking/Ticketing Tools | JIRA, ServiceNow, Remedy |
| Version Control Systems | Git, BitBucket, SVN |
| Data Bases | Oracle, MongoDB, Cassandra (Fundamentals) |
| TCP/IP &Network Protocols | http, https, IP sub netting, DNS, DHCP, SSL, TSL, Fiber channel, BGP, OSPF, EIGRP, VLAN’s |

**Professional Experience:**

**Chronos Global Inc, Laguna hills, California Aug 2016 - Till Date**

**AWS DevOps Engineer**

**Responsibilities**

* Design and deploy a multitude applications utilizing almost all the AWS stack (Including EC2, Route53, S3, RDS, Dynamo DB, SNS, SQS, IAM) focusing on high-availability, fault tolerance, and auto-scaling in AWS environment
* Implemented IPSec VPN, Global Protect on Palo alto Firewall in AWS environment
* Experienced with implementing policies and NAT rules in firewall and troubleshoot the issues using the monitor logs of firewall.
* Create the custom AMI's based on the requirements and launch the EC2 instances using AMI's
* Experienced in creating and managing Network ACLs, custom VPC, Security Groups, Servers and Database Migrations,
* Provide highly durable and available data by using S3 data store, versioning, lifecycle policies, and create AMIs for mission critical production servers for backup
* Designed AWS Cloud Formation templates to create custom sized VPC, subnets, NAT to ensure successful deployment of Web applications and database templates
* Installed, Configured and Administered Bamboo, jenkins CI tool and integrate with other Atlassian tools like Bitbucket, JIRA, Source Tree
* Provision RDS and NoSQL databases for dev and Test environments and migrate to production environment.
* Experienced with containerization (docker), creating docker images and network technologies to deploy in production environment.
* Install, configure configuration management system and write Chef recipes, cookbooks, to automate the repetitive tasks, quickly deploy critical applications.
* Automated the process of deployment to Apache Tomcat Application Servers by running Python Scripts.
* Created cloudwatch alarms and cloud trail audit systems to maintain granular control over the AWS account
* Worked on Red Hat Linux which includes installation, configuring and maintenance of applications on this environment.

**Social Security Administration, Baltimore, MD July2014 – July 2016**

**DevOps Orchestration and Automation Engineer (Intern)**

**Responsibilities:**

* Install, configure and administrate software in agile development environment
* Configure the Devops monitoring tool (Hygeia) to monitor complete software development lifecycle in a single window
* Configure and supporting EC2 instances and monitors, alarms and notifications for EC2 hosts using CloudWatch, take AMI image backups for machine critical application servers
* Create and manage user privileges using IAM policies, roles, groups in AWS
* Experienced in create VPC’s and maintain NACL, security groups to maintain security across the AWS.
* Installed and configured an automated tool Puppet that included the installation and configuration of the Puppet master, agent nodes and an admin control workstation
* Created puppet manifests and modules to automate system operations.
* Installed, Configured and Administered Bamboo Continuous Integration tool and integrate with other Atlassian tools like Bitbucket, JIRA, Source Tree.
* Expertise in the building of deployable artifacts such as war & jar files from source code using build tools like maven
* Configured application servers (Apache Tomcat) to deploy the code
* Install and maintain JIRA for tracking and updating project defects and tasks.
* Installed Packages and upgrading the packages in RHEL Linux servers using RPM & YUM
* Installing and configuring the VMware VSphere and creating clusters for High Availability (HA) and Dynamic Resource Scheduling (DRS).
* Experienced in system and network administration. Having sound knowledge in setting up the servers on different flavors of Linux like Red Hat, Ubuntu and Windows.

**Client: State Street Oct 2012 – June 2014**

**Location: Boston, MA**

**Role: DevOps Engineer**

**Key Deliverables:**

* Managed Ubuntu Linux and Windows virtual servers on **AWS EC2** using **Puppet**.
* Experienced with working on **Puppet Master** and **Puppet Agents.** Defined Puppet Master and Puppet Agents to manage and configure nodes.
* Designed and deployed AWS solutions using **E2C, S3, RDS, EBS, Elastic Load Balancer, Auto scaling groups, Opsworks.**
* Manage all CM tools (**Maven, Jenkins, ANT, Git,** and **GitHub**) and their usage / process ensuring traceability, repeatability, quality, and support.
* Lead to align processes and tools, such as branching, source control structure, dependency management, **Linux\Windows** hybrid build infrastructure, code review, and check-in policies, that are developed and instrumented by **DevOps** teams across projects globally.
* Optimized volumes and EC2 instances & Created multi AZ VPC instances.
* Used IAM to create new accounts, roles and groups.
* Configured **Elastic Load Balancers** with **EC2Autoscaling** groups.
* Configured and monitored distributed and multi-platform servers using **Nagios.**
* Supported 1000+ AWS Cloud instance’s and also familiar with Amazon Cloud command line management.
* Worked on User administration setup, maintaining account, Monitor system performance using **Nagios and Tivoli.**
* Mostly used **Ruby** for writing the chef recipes.
* By using java, developed Coding with MVC Infra (Propriety Framework) using Java, J2EE, XML and JavaScript.
* Encrypted EBS volumes via KMS service.
* Configured **S3** versioning and lifecycle policies to and backup files and archive files in Glacier.
* Configured **S3** to host static web content.
* Deployed cloud stack using **AWS Op Works.**
* Created monitors, alarms and notifications for EC2 hosts using Cloud watch.
* Set up Elasticache using memcached.
* Migrated applications to the AWS cloud.

**Environment:** S3, AWS Opsworks, Ansible, Chef, Puppet Master, Elastic Load Balancers, EC2Autoscaling, Linux\Windows

**HCL info systems, Hyderabad, India Oct 2011- Sep 2012**

**IT Systems Engineer**

**Responsibility:**

* Install and configure Red Hat, Centos on remote servers and Desktop servers.
* Installation of patches and upgrading the packages using RPM and YUM in Red hat Linux.
* Diagnosed and resolved problems associated with DNS, DHCP, VPN, NFS, and Apache.
* Working with developers to load software onto Linux Enterprise servers and also debugging Scripts.
* Responsible for configuring and connection to SSH through SSH clients like Putty and Cyber Duck
* Spinning up the virtual machines on ESXi servers for testing purpose for developers using VMWare
* Resolving TCP/IP network access problems for the clients. Develop, Maintain, update various scripts (Shell, Python, Bash) for services (start, stop, restart, recycle, Cron jobs) UNIX based shell.
* Good working experience with Change Management for scheduling changes on Production and UA server using BMC Remedy Ticketing System
* deploying the code through web/application servers like Apache http Server Web Sphere/Web Logic/ Apache Tomcat/JBOSS

**Environment: RPM, VPN, TCP/IP**, **Oracle Virtual box, Linux/Unix**,**VMware, Apache/Tomcat,** SSH, **RHEL**, SFTP, FTP, SCP, WinScp, and FileZilla.

**NIPS, Warangal, India Aug 2009 - Sep 2011**

**IT Administrator**

**Responsibilities:**

* Installation, configuration and administration of Linux (Redhat, CentOS), Windows.
* Configuring network services such as DNS/NFS/NIS/NTP for UNIX/Linux Servers
* Configuring the NFS servers, setting up servers in network environment and configuring FTP/NTP/NIS servers, clients for various departments and clients
* Creating a change requests, work orders and problem tickets using BMC Remedy tool and getting approvals from higher official
* Handling the scheduling tasks (cron jobs and task scheduler) for the scripts for various purposes.
* Managed and modified user and group accounts, adding, deleting, and setting up rights and permissions.
* Effective and quick network implementation and configuration using suitable network protocols (Static, default, EIGRP, OSPF) and improved the network security and reliability.
* Troubleshoot the Local area network issues and create the VLAN to differentiate the local network to different purposes.

**Environment: RHEL,DNS,NFS,Linux/Unix**,**LAN/WAN**, FreeBSD, **IP & Routing**, Databases, HCMP, LVM,.