**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, Cloud Formation, SNS, Cloud Watch, 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, Docker Hub 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 as well.
* 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, Fiber channel’s), VPN tunnels, ESX i, v Center, storage types and installations.
* Good knowledge on protocols such SSL, TCP/IP, HTTP, HTTPS,

**Technical Proficiency**

|  |  |
| --- | --- |
| Cloud Services | AWS (EC2, S3, Cloud formation, VPC, Cloud watch, IAM, Auto scaling, RDS, No SQL), Zscaler, Open stack |
| Virtualization &Containerization | VMware, Hyper-V, Docker, |
| Automation Tools | Chef, Puppet |
| CI tools | Bamboo, Jenkins, Team city |
| Scripting Languages | Shell, Python, PHP, Java Script, JSON |
| Issue Tracking/Ticketing Tools | JIRA, Service Now, Remedy |
| Version Control Systems | Git, Bit Bucket, SVN |
| Data Bases | Oracle, Mongo DB, 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 IP Sec 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 Bit bucket, JIRA, Source Tree
* Provision RDS and No SQL 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 cloud watch 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 Cloud Watch, 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 Bit bucket, 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, Ops works.**
* Manage all CM tools (**Maven, Jenkins, ANT, Git,** and **Git Hub**) 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 Ops works, 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 ESX i servers for testing purpose for developers using VM Ware
* 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 (Red hat, Cent OS), 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,.