A close up of a sign

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**SUMMARY**

Professional with 7+ years of experience in the IT industry comprising of designing, development, Integration of DevOps tools, Cloud Automation, Configuration Management, Continuous Integration (CI) & Continuous Deployment/ Delivery and Cloud Migration. Experience in tools like Terraform, Ansible, Docker, Kubernetes, several scripting languages, and monitoring tools.

* Expertise in Cloud Implementation and securing the **Infrastructure** on **AWS** using **KMS**, **EMR**, **Cognito**, **API Gateway**, **CloudTrail**, **Cloud Watch**, Amazon Simple Queue Service (**Amazon SQS**), **SNS,** **Config**, **AWS** **Kinesis**, **X-ray, Lambda**, **IoT** **Network ACLs**, **Elastic Beanstalk**, **Aurora**, **Redshift, ECS, EKS** and **CloudFormation**.
* Experienced in design and application deployment of AWS infrastructure utilizing services such as **EC2, RDS, VPC** and managed network and security, **Route 53, Direct Connect, IAM, Cloud Formation, AWS Ops Works** (automate operations), **Elastic Beanstalk, AWS S3, Amazon Glacier** and **Cloud Watch** monitoring Management Gateway.
* Experience in writing CloudFormation templates to **automate AWS environment** creation along with the ability to **deployment on AWS**, using **build scripts** (AWS CLI) and **automate** solutions **using Shell and Python.**
* Employed **Azure Resource Manager (ARM)** to deploy, update and delete multiple resources on Azure and in migrating the on-premises resources to **Azure** with **Azure** site recovery (ASR) and Azure backups. Worked on creating resource group of virtual machines by specifying deployment parameters in **Azure Resource Manager (ARM).**
* Hands-on experience in Implementation of **Office 365** and **Azure Active Directory** for single sign-on, authentication, authorization and Azure Role-based Access Control (RBAC) and configured Azure Virtual Networks (Vnets), subnets, DHCP address blocks, DNS settings, Security policies and routing.
* Implemented a CI/CD pipeline using **Azure DevOps (VSTS, TFS)** in both cloud and on-premises with **GIT, MS Build, Docker, Maven along with Jenkins plugins.**
* Expertise in **Terraform** to reliably version and create infrastructure on **Azure/AWS**. Created resources, using Azure/AWS **Terraform modules**, and automated infrastructure management and experienced with Terraform key features such as Infrastructure as code, Execution plans, Resource Graphs, Change Automation and extensively used Auto Scaling for launching cloud instances while deploying Microservices and used Terraform to map more complex dependencies and identify network issue.
* Experience in creating **terraform** templates for provisioning virtual networks, VM Scale sets, Load balancers and NAT rules and used **terraform graph** to visualize execution plan using the graph command. Used **Terraform** to deploy the infrastructure, necessary to create development, test, and production environments for software development.
* Implemented CI/CD processes using CloudFormation templates and **Terraform** modules and Containerized the entire infrastructure using Docker setup in AWS Cloud based environment.
* Experience in creating Tekton pipelines to build, test, and deploy across multiple environments such as VM’s, serverless, **Kubernetes** and firebase also deployed across multiple cloud providers using these tekton pipelines.
* Expertise in [**Prometheus**](https://prometheus.io/)**,** an open source monitoring system and time series database. Used Prometheus with **Istio** to record metrics of applications within the service mesh and to visualize metrics used tools like [Grafana](https://istio.io/latest/docs/ops/integrations/grafana/) and [Kiali](https://istio.io/latest/docs/tasks/observability/kiali/).
* Experience with container-based deployments using **Docker**, working with Docker images, Docker Hub, Docker registries like [Docker.io](http://docker.io/), [Quay.io](http://quay.io/) and setting up private registries.
* Experienced in **OpenShift** platform in managing **Docker Containers**, **Kubernetes Clusters**, and Mesos and implemented a production ready, load balanced, highly available, fault tolerant Kubernetes infrastructure and created Jenkins jobs to deploy applications to Kubernetes Cluster.
* Proficient in managing **Ansible Tower, Playbooks** with **Ansible roles**, group variables, inventory files, copy and remove files on remote systems using **file module**.
* Hands-on experience in configuring **Chef** Server Enterprise on-premise, workstation bootstrapped the nodes using knife and automated by testing **Chef Recipes**, **Cookbooks** with **test-kitchen** and **chef spec**.
* Experience in creating **Puppet** **Manifests** & **Modules** to automate system operations. Installed configurations of **Puppet Agent**, **Puppet Master** and deployed **Puppet Dashboard**, **Puppet DB** for configuration management to existing infrastructure.
* Experience in using Git webhooks and Poll SCM with **Jenkins** to automate Jenkins tasks and responsible for writing **groovy scripts** for Jenkins pipelines.
* Experience in writing **Jenkins** Pipeline (**CI/CD**) **Groovy Scripts** for Continuous Integration and build workflows and Used **Jenkins** for uploading Artifacts into **Nexus** Repository and Automated various day-to-day administration task by developing **Bash, JSON, PowerShell** and **Python** Scripts.
* Hands-on experience using **MAVEN**, **ANT**, and **Gradle** as build tools for the building of deployable artifacts (jar, ear & war) from the source and static code analysis using **SonarQube**.
* Functioned as a key player/coach in the implementation of **DevSecOps**model across the organization and implemented security/vulnerability scans at multiple phases.
* Experienced in branching, tagging and maintaining the version across the environments using **SCM** tools like **Git**, **GitHub**, **GitLab**, **Bitbucket**, **Subversion** (SVN), **Perforce** and **TFS** on Linux and Windows platforms.
* Hands on experience in creating analytical matrices reports, dash boards for release services based on **JIRA** tickets
* Expertise in **SaaS,** **PaaS** and **IaaS** concepts of cloud computing architecture and Implementation using **AWS, Azure, OpenStack**, OpenShift and migrating on-premises applications to Cloud and orchestrated cloud infrastructure using Terraform, CloudFormation and Azure Resource Manager (**ARM**) templates.
* Expert in trouble shooting **Linux** Servers, resolving boot issues and maintenance of server issues using rescue mode and single user mode and involving in building new **Linux** Physical and Virtual servers using **kickstart** and **PXE** boot.
* Exposed to all aspects of the **Software Development Life Cycle (SDLC**) and In-depth understanding of the principles and best practices of Software Configuration Management in **Agile, Scrum and waterfall methodologies**.
* Experience and Familiar with Virtualization technologies like installing, configuring, administering **VMware, vSphere ESXiand**SRM 4.5.and Citrix XEN Server.
* Expertise in **Linux/UNIX** system builds, administration, Installations, Upgrades, Troubleshooting on different distributions such as **Ubuntu**, **CentOS**, **Red Hat**, **RHEL 4.x/5.x/6. x**.

**TECHNICAL SKILLS**

|  |  |
| --- | --- |
| Cloud Technologies | AWS, Azure OpenStack, PCF. |
| Configuration Management Tools | Ansible, Ansible Tower, Chef, puppet |
| Container Tools | Docker, Kubernetes. |
| CI/CD Tools | Bamboo, Jenkins |
| Build Tools | Maven, Ant |
| Version Control Tools | GIT, GITHUB, Bitbucket, SVN |
| Scripting Languages | Python, Java, JSON, YAML |
| Virtualization Technologies | VMware ESX/ESXi, Windows Hyper-V, Virtual box, Vagrant |
| Web Servers | Apache HTTP 3.x, Apache Tomcat, Nginx, WebSphere |
| Monitoring Tools | Splunk, Nagios, ELK, Cloud Watch, Grafana |
| Repository Management | JFrog, Nexus, Artifactory |
| Bug Tracking Tools | Bugzilla, JIRA, HP ALM, IBM ClearQuest |
| Operating Systems | Ubuntu, CentOS, Red Hat, Linux, Windows |
| Databases | MySQL, MS Access, NoSQL (MongoDB, DynamoDB) |

**CERTIFICATIONS**

|  |  |
| --- | --- |
| **Certification name** | **Certification Link** |
| Certified AWS Solutions Architect Associate | (AWS [Solution](https://www.youracclaim.com/users/sailaja-ketham/badges) [Architect](https://www.youracclaim.com/users/sailaja-ketham)) |
| Certified Azure Administrator Associate | ([Azure](https://www.youracclaim.com/earner/earned) [Administrator](https://www.youracclaim.com/earner/earned)) |
| Certified Terraform Associate | ([Terraform Associate](https://www.youracclaim.com/users/sailaja-ketham/badges)) |
| Certified Kubernetes Administrator | ([Kubernetes Administrator](https://www.youracclaim.com/users/sailaja-ketham/badges)) |
| Certified Azure DevOps Engineer | ([DevOps Engineer](https://www.youracclaim.com/earner/earned/badge/f55fd316-a841-4114-b2de-9ecda11f2264)) |

**WORK EXPERIENCE**

**Express Scripts, Minneapolis, MN August 2019 – Present**

**Sr. AWS Cloud/DevOps Engineer**

**Responsibilities:**

* Experienced in **Azure Role-based Access Control (RBAC)** to segregate duties within our team and grant only the amount of access to users that they need to perform their jobs.
* Implemented **Office 365** and **Azure Active Directory** for single sign-on, authentication, authorization, and **Azure Role-based Access Control (RBAC).**
* Creating and Managing Virtual Machines in Windows **Azure** and setting up communication with the help of Endpoints. Configured **Shared Access Signature (SAS)** tokens and Storage Access Policies in **Azure Cloud Infrastructure**.
* Used **Python** API for uploading all the agent logs into **Azure blob storage**. Managed internal deployments of monitoring and alarm services for the Azure Infrastructure (**OMS**). Developed microservice onboarding tools leveraging **Python** and Jenkins for easy creation and maintenance of build jobs and Kubernetes deploy and services.
* Configured **VNET Peering** to enable communication between resources across multiple Virtual Networks and configured **NSGs** for two tiers and three tier applications to filter network traffic using **Terraform modules**.
* Configured private end point for Azure **Cosmos DB** using **Azure Private Link** through automatic approval method, combined with **NSG** policies to secure data.
* Building and Installing servers through **Azure Resource Manager Templates** (ARM) or Azure Portal. Worked on **Azure VPN-Point to Site, Virtual networks, Azure Custom security, endpoint security and firewall**.
* Experience in dealing with Windows Azure IaaS - **Virtual Networks, Virtual Machines, Cloud Services, Resource Groups, Express Route, VPN, Load Balancing, Application Gateways, Auto-Scaling, Traffic Manager, App services, Analyzing Azure Networks.**
* Deployed and optimized two tier **.NET** web application to **Azure DevOps** to focus on development by using services such as **Repos** to commit codes, **Test Plans** to trigger application and unit test, deployed artifacts to **App Service**, **Azure Application Insight** collects health performance and usage data of the process.
* Working on AWS to **Azure migration**, Jira to **Azure DevOps** Migration, GitHub to Azure DevOps Migration along with Experience in configuring and using PaaS offerings (like **Azure Database services, Azure Kubernetes, Azure Containers, DNS, Application gateway rerouting, Application Insights, Azure Container Monitors, etc.).**
* Experience in moving all traffic to the service can be routed through the **private endpoint**, so no **gateways, NAT devices, ExpressRoute or VPN connection**s, or public IP addresses are needed
* Hands on experience on **Site to site** VPNs, Virtual Networks, **Network Security Groups**, **Load balancers, Storage Accounts.**
* Configured **RBAC** and **Azure Monitor** for adding security in Azure Cloud and **Network Security Groups** for Subnet and **NIC** level for Azure Virtual Machine
* Configured **AppDynamics** cluster agent to monitor **AKS** pod failures and restarts, node starvation, missing dependencies such as Services, Config maps and Secrets.
* Integrated **Azure policies** with **Azure Kubernetes Service** (AKS) cluster to apply enforcements and safeguards on the cluster in a centralized manner.
* Created **CI/CD** pipelines for .NET, python apps in **Azure DevOps** by integrating source codes **GitHub, VSTS,** **and artifacts**. Created deployment areas such as testing, **pre-production** and production environment in **Kubernetes cluster**
* Built CI/CD pipeline with **Azure DevOps** for Kubernetes container environment, utilizing **Kubernetes and docker** for the **runtime environment** for the CI/CD system to build test and deploy on DEV and PROD environments.
* Acted as build and release engineer, deployed the services by **VSTS (Azure DevOps)** pipeline. Created and Maintained pipelines to manage the **IAC** for all the applications
* Worked on the **PowerShell** Script to automate the Windows patching and created the release in **Azure DevOps** pipeline
* Wrote many **Python** Scripts to automate the process such as tagging the resources based on the user input and by processing the **CSV** as well as **YAML** files provided as Inputs.
* Installing **RedHat** Linux using **kickstart** and applying security policies for hardening the server based on the company policies.
* Configured **Load Test** servers to send the data to Kibana and Created dashboards in Kibana for benchmark **Load Testing** for both **Kafka** and **Cassandra** **Stress**-**Test** which runs once in a week.
* Created **Jenkins jobs** for continuously building the projects. Scheduled jobs to build upon every check in into subversion. Wrote Groovy script in Jenkins jobs to do pre-and post-build operations
* Created EBS volumes for storing application files for use with **AWS EC2** instances whenever they are mounted to them. created RDS instances to serve data through servers for responding to requests. Created snapshots to take backups of the volumes and also images to store launch configurations of the **AWS** EC2 instances.
* Created **AWS S3** buckets, performed folder management in each bucket, managed cloud trail logs and objects within each bucket and Utilized **AWS CLI** to automate backups of ephemeral data-stores to S3 buckets and EBS.
* Integrated **AWS** **CloudWatch** with Amazon EC2 instances for monitoring the log files and track metrics and Created **CloudWatch** alerts for instances and used them in Auto scaling launch configurations.
* Used **Amazon connect** to setup a contact center, add agents located anywhere and to engage with the customers. Which is used by the customers to leave the voicemails for agents based on the agent’s extension number.
* Designed and configured **VPC– IGW, EMR** Public and Private subnet's**, Security groups, NACL's, Route Tables, direct connect and VPN.**Created the **VPC Peering Connections** and Resolved the issues of overlapping **CIDR’s.**
* Automated **AWS** infrastructure through infrastructure as code by writing various **Terraform** modules, null resource scripts to create AWS IAM users, groups, roles, policies, custom policies, **AWS Glue, Crawlers, Redshift clusters, snapshots of clusters, EC2, S3 buckets**, application deployments.
* Responsible for writing reusable infrastructure automation (IaC) code libraries using Terraform for IaaS, PaaS and SaaS services in AWS cloud and maintained existing mission critical cloud formation scripts through **Terraform** and transformed Terraform as an enterprise level infrastructure automation tool.
* Designed and installed **Hashicorp vault** for **secret management**. Secrets required for running the application are retrieved from a vault at a container's startup time and automatically renewed during the application's lifecycle.
* Wrote many **RBAC policies** to define user permissions in Kubernetes and created **Ingress, Egress** rules for regulating the inbound and outbound traffic of the Kubernetes cluster.
* Created **Tekton pipelines** in **Kubernetes** to create and deploy images, manage version control of infrastructure, and perform easier rollbacks. Deployed Flux in **Kubernetes** Cluster for continuous delivery of **Helm Charts** by integrating Flux with the Helm repository.
* Used **Flux** for automation to ensure that the state of cluster matches the config file in git and also to make sure that the new container images and config changes are propagated to the cluster.
* Automated **CI/CD pipeline** by utilizing **Docker Containers**. Created Docker file for apps, env variables, **Docker volumes** and networking configuration in terms of connecting various containers in the cluster.
* Used **Docker-compose** to deploy a multi-container application that consists of a postgresql database and a tomcat service running an application that accesses the database.
* Converted DevOps methodologies in to **DevSecOps** model by introducing security/vulnerability scans in different phases of DevOps like clear text password scan during the build and packaging phase of application and on the other hand responsible for implementing pre provisioning scans and post provisioning scans for IaC by adopting tools like terraform enterprise (sentinel) and Inspec framework for AWS cloud resource validations.

**American Express, Sunrise, FL March 2018 – July 2019**

**Cloud/DevOps Engineer**

**Responsibilities:**

* Setup and built various Amazon Web Services (**AWS**) resources and significant experience with the configuration of various Amazon products (Amazon **EC2, Elastic Load Balancing, Auto Scaling, Amazon S3, Amazon VPC, Amazon SES, Amazon SNS, Amazon IAM, Amazon Cloud Watch, Amazon Elastic Beanstalk, Amazon Cloud Formation, Amazon Ops Works** and **Amazon RDS**).
* Actively worked on configuring and provisioning of **virtual machines**, **storage accounts**, **App Services, Virtual Networks, OMS, Azure SQL Database, Azure Search, Azure Data Lake, Azure Data Factory, Azure Blob Storage, Azure Service Bus, Function Apps, Application Insights, Express Route, Azure Data Bricks, Traffic Manager, VPN, Load Balancing, Application Gateways, Auto-Scaling and Azure Batch Jobs.**
* Worked in highly collaborative operations team to streamline the process of implementing security Confidential **Azure cloud** environment and introduced best practices for remediation
* Conducted Dry-Run Tests to ensure fool-proof execution of customized scripts before execution in production environments.
* Setup **Azure Virtual Appliances** (VMs) to meet security requirements as software-based appliance functions (firewall, WAN optimization and intrusion detections) and configured Azure **Virtual Networks** (VNets), subnets, Azure network settings, DHCP address blocks, DNS settings, security policies and routing.
* Created Storage Pool and Stripping of Disk for Azure Virtual Machines. Backup, Configure and Restore Azure Virtual Machine using Azure Backup and Convert existing Virtual Machine from Standard to **Premium Storage** Account. Patching and Validating of Virtual Machine in Azure.
* Created **Azure Automation Assets**, Graphical runbooks, **PowerShell** runbooks that will automate specific tasks, deployed **Azure AD Connect**, configuring **ADFS** authentication flow, **ADFS** installation using **Azure AD Connect.**
* Implemented Enterprise Integration architecture using **Azure Service Bus**, **AppService**, **Active Directory**, Storage, hybrid connection manager, active directory authentication for **Azure SQL** server and other services offerings by **Azure**.
* Created Azure infrastructure using **ARM templates**, **Azure pipelines** to build, test, and release, and managed **Azure Container Registry** to store private **Docker images**, which are deployed. Grafana Monitor to collect metrics and logs. Configured Monitor to track performance and maintain security, and used **Grafana** tool to collect metrics, queries
* Deployed two tier **.NET**, Python applications to **Azure DevOps** to focus on development by using services such as **Repos** to commit codes, Build Pipelines using **PowerShell** scripts.
* Worked with **Terraform** Templates to automate the **Azure Infrastructure as a Service** virtual machines using terraform modules and deployed virtual machine scale sets in production environment.
* Evaluated **Kubernetes** for **Docker** container orchestration and managed **Kubernetes** charts using **Helm** and created reproducible builds of the **Kubernetes** applications, templatize **Kubernetes** manifests, provide a set of configuration parameters to customize the deployment and Managed releases of **Helm** **packages**.
* Configured and setup **Kubernetes** Cluster environment with master and Nodes. Managed local deployments in Kubernetes using **mini** **kube**, creating local cluster and deploying application containers.
* Integrated Docker container **orchestration** framework using **Kubernetes** by creating pods, Config Maps and deployments.
* Designed and implemented **Continuous Integration** (CI) using tools **Azure** **DevOps** over multiple environments to facilitate an **agile development** process which is automated and repeatable, enabling teams to safely deploy code many times a day while ensuring **Azure Kubernetes Services** **(AKS)** are supported.
* Set up **Docker** to automate container deployment through **Jenkins** and Dealt with **Docker** **Hub**, making **Docker** **Images** and taking care of various Images essentially for middleware establishments.
* Written **Chef** Cookbooks, recipes to automate installation of Middleware Infrastructure like **Apache** **tomcat**, **JDK**, and configuration tasks for new environments etc.
* Established **Chef** Best practices approaches to system deployment with tools with vagrant and managing Chef Cookbook as a unit of software deployment and independently version controlled.
* used **Chef cookbooks** and recipes to build docker images or spin up a few containers at small scale.
* Configured **Chef servers**, worker nodes & bootstrapping **Chef nodes** for configuration management; also proficient in creating **Chef Templates, Recipes, Cookbooks**, Resources, Roles, Attributes & Data bags.
* Responsible for the **Continuous Delivery**pipeline given to all application teams as they on-board to **Jenkins** as a part of migration.
* Worked with **Nagios** for Windows **Active Directory** & **LDAP** and Data consolidation for **LDAP** users and monitored system performance using **Nagios**, maintained **Nagios** servers.
* Experience in using **Splunk** for log analyzing and improving the performance of servers. Configured **Splunk** with **Azure** services and Appian application to create reports and alerts for events and configure alert mail.

**Broadridge Financial Services, Brentwood, NY February 2017 - February 2018**

**DevOps Engineer**

**Responsibilities:**

* Configured AWS Identity and Access Management (**IAM**) Groups and Users for improved login authentication. Provided policies to groups using policy generator and set different permissions based on the requirement along with providing Amazon Resource Name (ARN).
* Configured AWS IAM and Security Groups in Public and Private Subnets in VPC, managed IAM accounts (with MFA) and IAM policies to meet security audit & compliance requirements.
* Launched **AWS** **EC2** cloud instances using **Amazon Web Services (Linux/ Ubuntu/RHEL)** and configured launched instances with respect to specific applications. Created **Snapshots** and **Amazon Machine Images (AMI's)** of EC2 instance. Worked on dynamically adding and removing servers from AWS production environment, automating backups by shell for **Linux/Unix** to transferring data into **AWS** **S3 buckets.**
* Configured the Server less architecture using **AWS Lambda** and worked on **Application Migration and Data Migration** from On-Premise to AWS Cloud. Configured and maintained the **AWS Lambda function** to trigger when there is a **Jenkins** build kicked off, which internally gets stored on **AWS S3 bucket** for everybody to access.
* Used **AWS Route53** for Domain Registration, DNS routing and health checking of the resources by sending automated requests over the internet to a resource.
* Configured **Elastic Load Balancing (ELB)** for routing traffic between servers. Involved in the Consulting, Analysis, Design, Development and Implementation of automated **Continuous Integration/Continuous Deployment (CI/CD)** pipelines and test automation solutions.
* Executed **HTTPS/HTTP** requests through the running **AWS EC2** instances, thereby enhancing connection requests to the systems. Thus, enabling a faster data transaction between the Target groups which are attached to AWSSecurity groups and **Autoscaling** groups.
* Designed an **ELK** system to monitor and search enterprise alerts and configured **ELK** stack in conjunction with **AWS** and using Logstash to output data to **AWS S3**. Terminated SSL on to **Nginx** to remove overhead on **API** servers.
* Authored **Terraform** modules for infrastructure management and published a module to the Terraform registry for enterprise customers to deploy our product inside their AWS environment. And Set up build and deployment automation for Terraform scripts using Jenkins.
* Worked on **Secrets manager** to store the encrypted data keys with the protected secret data. And used it for managing digital authentication credentials(secrets), including passwords, keys, APIs and tokens for the applications, services and sensitive data.
* Implemented **Puppet** for Deployment on build on internal Data Centre Servers. Also re-used and modified same Chef **Recipes** to create a Deployment directly into **Amazon EC2** instances.
* Provided installation & maintenance of **Puppet** infrastructure and developed Puppet manifests & modules for configuration management.
* Experience in creating **Puppet Manifests** & modules to automate system operations. Installed configurations of **Puppet Agent**, **Puppet Master** and deployed **Puppet Dashboard** and **Puppet DB** for configuration management to existing infrastructure.
* Automated the front-ended platform into highly scalable, consistent, repeatable infrastructure using a high degree of automation using **Puppet**, **Jenkins** and **Cloud Formation**.
* Automated operational tasks such as software configuration, server scaling and deployments, and database setups in multiple **AWS** cloud environments with the use of modern application and configuration management tools like **Jenkins**, **Chef, Puppet.**
* Built **Jenkins** **jobs** to create **AWS** infrastructure from **GitHub** repos containing **terraform** code. Generating **artifacts** by integrating **Jenkins** with **Git** and **Maven** and storing artifacts into **Nexus** and deploying into application server.
* Worked on **JIRA agile** **projects** like configured columns, filters and reports for sprints. Used **JIRA** as a **change management**/ work management/ **SCRUM Agile Tool**.
* Updating kernel & security patches in Amazon Linux environment, handling out of memory issues in Linux kernels during rebalance in **Kafka**cluster.
* Involved in developing custom scripts using **Python, Shell** to automate the deployment process and for Task scheduling, Systems backups for **RHEL**.
* Set up Nginx, Apache, Tomcat **web servers** in the clusters in various operating systems such as Linux/Ubuntu and Windows systems. Troubleshooting **Linux/Ubuntu** servers and network related issues using log Configured NIC bonding/NIC Teaming configuration in **Linux/UNIX/Windows** systems to increase the performance based on the requirement by the application.
* Automated and updated the security groups to allow only the specific CIDRs. In addition to that, automated Iptables with puppet config.
* Involved in scrum meetings, product backlog and other scrum activities and artifacts in collaboration with the team.

**Aluminum Company of America (ALCOA), Pittsburgh, PA December 2015 – January 2017**

**Build and Release Engineer**

**Responsibilities:**

* Developed and implemented Software Release Management strategies for various applications according to the Agile process.
* Developed build using **ANT** and **MAVEN** as build tools and used CI tools to kick off the builds move from one environment to other environments.
* Used **ANT** as a build tool in java projects for the development of build artifacts on the source code. Involved in editing the existing ANT files in case of errors or changes in the project requirements.
* Installed and configured **GIT** and communicating with the repositories in **GITHUB**.
* Build and Release software baselines, code merges, branch and label creation in Subversion and **GIT**, worked on migration from Subversion to **Git.**
* Created the naming strategy for branches and labels and involved continuous integration system with **GIT** version control repository and Continually build as the check-in's come from the developer.
* Implemented continuous integration using **Jenkins** **master** and **slave** configuration. Configured security to Jenkins and added multiple nodes for continuous deployments.
* Developed, monitored and maintained the release and build pipelines. Created packages, builds, releases and patches as well as the software deliverables for customers.
* Administered and Engineered **Jenkins** for managing weekly Build, Test and Deploy chain, SVN/GIT with Dev/Test/Prod Branching Model for weekly releases.
* Troubleshoot build issues in **Jenkins**, performance and generating metrics on master's performance along with jobs usage.
* Worked on integrating **GIT** into the continuous Integration (CI) environment along with**Jenkins.**
* Managed **Nexus**, Maven repositories to download artifacts during builds in **Jenkins** and integrated **ANT** and **GIT** to deploy project related tags.
* Worked as **JIRA** Systems Administrator for the international JIRA/Confluence infrastructure, including all associated programs, plugins and systems.
* 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.
* Used **Jenkins** and **Maven** to automate the build and deployments for Java based projects and stored the binaries of the projects in Nexus or Artifactory. Responsible for creating and deploying builds on various environments, testing in development and release to other team on scheduled time or given deadlines.
* Monitoring **SPLUNK** authentication and permission for supporting large scale **SPLUNK** deployments and Used **JIRA** for bug tracking, issue tracking and project management.

**Mind tree, Bangalore, India December 2014 – November 2015**

**Linux Administrator**

**Responsibilities:**

* Managed users, groups and permissions, configured **LDAP** and given **SUDO** Access in test and development servers and allowed password less logins for authorized users on servers.
* Worked in creating, cloning **Linux** Virtual Machines, templates using **VMware** and monitored these servers.
* I have installed the necessary procedures and security tools. I worked with the Data Network Engineer and other personnel/departments to analyze hardware requirements and alternatives and make acquisition recommendations.
* Developed Linux, UNIX, **Perl** and **Shell Scripts** and AWT programming for manual deployment of the code to various environments.
* Installed and configured the necessary packages using the **RPM** & **YUM** software/package management.
* Performed troubleshooting on all tools and maintained multiple servers and provide back up for all files and script management servers.
* Setup of full networking services and protocols on Solaris, including NIS/NFS, DNS, SSH, DHCP, TCP/IP, applications, and print servers to ensure optimal networking, application, and printing functionality. Deployed latest patches for Sun, Linux and Application servers.

**Richemont, Delhi, India December 2013 – November 2014**

**Java Developer**

**Responsibilities:**

* Utilized Java, Eclipse/ J2EE, tested programing code & Applications, collaborated with team and management.
* Created & maintained a centralized repository of UI components, participated in usability testing & research.
* A small amount of Java Development via the Eclipse IDE (most of us were given one programming task). The task I performed was a String masking of a password attribute in an XML file.
* Application security analysis and research using Fortify Security Suite and used GIT/Stash as a repository for the application project folders and JIRA for trouble tickets and Confluence for our knowledge base
* Exposure and some development of the following: Enterprise Java Beans, Servlets, JSP, JSF, JavaScript, jQuery, Oracle, HTML, and CSS.