**SRUJAN T**

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**Professional Summary:**

* Over 8 Plus years of experience in installation and configuration of Information Systems on Unix, Linux (RHEL), SUSE LINUX 11.x/10/9, AIX, and HP-UX
* Experience in performing various development activities for DevOps practices which includes continuous integration, delivery, testing, and monitoring.
* Collaborated with other DevOps engineers to develop strategies for deployment and management by developing an automation and monitoring framework.
* Experienced in managing deployments to Cloud services providers (CSP) environments AWS and Azure.
* Involved in migrating physical Linux/Windows servers to cloud (AWS) and testing.
* Expertise in Architecting and Implementing Azure Service Offering, such as Azure cloud services, Azure storage, IIS, Azure Active Directory (AD), Azure Resource Manager (ARM), Azure Storage, Azure, Blob Storage, Azure VMs, SQL Database, Azure Functions, Azure Service Fabric, Azure Monitor, and Azure Service Bus.
* Hands on experience on Backup and restore Azure services and in Design and configure Azure Virtual Networks (VNets), subnets, Azure network settings, DHCP address blocks, DNS settings, security policies and routing. Azure cloud services, Blob storage, Active directory, Azure Service Bus, Cosmos DB.
* Expertise in Azure Scalability and Azure Availability - Build VMs availability sets using the Azure portal to provide resiliency for IaaS based solution and Virtual Machine Scale Sets (VMSS) using Azure Resource Manager (ARM) to manage network traffic.
* Experience in migrating on-premises applications to Azure and configured VNETs and subnets as per the project requirement also performed PowerShell scripting to do Patching, Imaging , and Deployment test in Azure .
* Knowledge of Azure Site Recovery and Azure Backup Installed and Configured the Azure Backup agent and virtual machine backup, Enabled Azure Virtual machine backup from the Vault and configured the Azure Site Recovery (ASR).
* 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.
* Experience in writing Infrastructure as a code(IaC) in Terraform, Azure resource management, AWS Cloud formation. Created reusable Terraform modules in both Azure and AWS cloud environments.
* Experienced in doing more than 50 builds a day to perform deployments on SIT and QA environments.
* Excellent knowledge of Amazon EC2, Amazon S3, Amazon Elastic Load Balancing, AWS Batch, AWS Lambda and other services of the AWS family.
* Build servers using AWS: Importing volumes, launching EC2, RDS, creating security groups, auto-scaling, load balancers (ELBs) in the defined virtual private connection.
* Experienced in Writing AWS Lambda functions and triggering it with API Gateway.
* Experience in designing Docker and Ansible playbooks for continuous deployment, continuous delivery and configuration management for infrastructure as code.
* Experienced in monitoring applications and logging using tools like New Relic, Dynatrace, Nagios and Splunk.
* Experience in Installing and maintaining several instances of Jenkins.
* Expertise on all areas of Jenkins like Plugin Management, Securing Jenkins, Performance issues, Analytics, Scaling Jenkins, integrating Code Analysis and Test Phases to complete the CD pipelines within Jenkins, troubleshooting Jenkins-Run Deck failure Issues.
* Experience in using GIT web hooks in Jenkins to trigger the code and automate the build process for CI/CD and in building and deploying scripts using GRADLE and MAVEN as a build tool and automate the build and deploy processes.
* Creating alarms in Cloud Watch service for monitoring the server’s performance, CPU Utilization, disk usage etc.
* Experienced in developing automation scripts using Python and shell scripting.
* Experience in server security configurations including SSL certificate installing and configuration.
* Experienced in deployment, Performance tuning and troubleshooting of Java applications on Web sphere Application Server using logs and traces.
* Experience in Configuration, tuning, security, backup, recovery, monitoring and upgrade of Linux on different cross platforms.
* Experienced in Monitoring and managing file system usage, network configurations, and hardware and system process failures.
* Documenting all the processes for above, issues caused and its solutions in timely manner.

**Technical Skills:**

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| **Operating Systems** | IBM AIX (4.3, 5.1, 5.2, 5.3, 6.1), Linux (RedHat 5.x 6.x, SUSE), Sun Solaris 2.5/2.6/7.0/8.0,9, HP-UX 1i windows3/00/NT4.0.  |
| **Cloud Infrastructure** | AWS/Azure |
| **DevOps Tools** | Jenkins, GIT, GitHub, Bamboo, Bitbucket, CVS, Subversion, Ant, Maven, Gradle, Ansible, Puppet, Terraform, JIRA, Docker, Kubernetes, Nagios, Selenium, Nexus, Nimbus, Chef, Run deck, Akamai, Service Now, Confluence, Version One, AppDynamics, Splunk |
| **Messaging Technologies** | Kafka, Zookeeper, RabbitMQ |
| **Application Servers/ Web Servers** | Web Sphere Application Server 3.5/4.0/5.0, WebLogic4.x/6.x, Netscape Application Server2.1, JBOSS, HTTP Server1.3/1.2, I Planet Web Server 5.1/6.0, Netscape Enterprise Server, IIS 4.0/5.0, MQ Series, Apache.  |
| **Networking**  | TCP/IP, DNS, SSH, DHCP, Cisco Routers/Switches, and LAN.  |
| **Programming Languages**  | JavaScript, HTML, JAVA, C, Python, Perl and Shell programming. |
| **Databases**  | Oracle 8i/9i, DB2, MS SQL SERVER 7.0/2000, Sybase.  |
| **Tools**  | HACMP, Veritas Volume Manager, Veritas Net backup, Veritas File System.  |
| **AWS Services** | EC2, Lambda, S3, KMS, Glacier, RDS, DynamoDB, Lambda, Step Functions, Elastic Cache, Redshift, VPC, CloudFront, API Gateway, CloudFormation, EMR, ECS, Route53, IAM, CloudWatch, CloudTrail, Autoscaling, Security group, Network ACL, EMR, SQS, SNS etc. |

**Work Experience:**

**EVERGY – Kansas, Missouri AUG 2015 to Present**

**Sr DevOps Engineer**

**Responsibilities:**

* Created recommendations on how to duplicate a subset of on-premise machines to the Azure Infrastructure as a Service (IAAS) offering which will be used for disaster recovery. This analysis included the specifics to synchronize on-premise data with SQL Server and SharePoint instances hosted in VMs.
* Worked on Azure Site Recovery and Azure Backup- Deployed Instances on Azure environments and in Data centers and migrating to Azure using Azure Site Recovery and collecting data from all Azure Resources using Log Analytics and analyzed the data to resolve issues.
* Configured Azure Multi-Factor Authentication (MFA) as a part of Azure AD Premium to securely authenticate users and worked on creating custom Azure templates for quick deployments and advanced PowerShell scripting. Deployed Azure SQL DB with GEO Replication, Azure SQL DB Sync to standby database in another region & Fail over configuration.
* Managed Azure Infrastructure Azure Web Roles, Worker Roles, VM Role, Azure SQL, Azure Storage, Azure AD Licenses, Virtual Machine Backup and Recover from a Recovery Services Vault using Azure PowerShell and Azure Portal.
* Written Templates for Azure Infrastructure as code using Terraform to build staging and production environments. Integrated Azure Log Analytics with Azure VMs for monitoring the log files, store them and track metrics and used Terraform as a tool, Managed different infrastructure resources Cloud, VMware, and Docker containers.
* Worked on OpenShift for container orchestration with Kubernetes container storage, automation to enhance container platform multi-tenancy also worked on with Kubernetes architecture and design troubleshooting issues and multi-regional deployment models and patterns for large-scale applications.
* Deploying windows Kubernetes (K8s) cluster with Azure Container Service (ACS) from Azure CLI and Utilized Kubernetes and Docker for the runtime environment of the CI/CD system to build, test and Octopus Deploy.
* Using Ansible created multiple playbooks for machine creations and SQL server, cluster server and my SQL installations.
* Used Ansible to Setup/teardown of ELK stack (Elasticsearch, Log stash, Kibana ) and troubleshoot the build issues with ELK and work towards the solution.
* Written Ansible handlers with multiple tasks to trigger multiple handlers and to decouple handlers from their names, making it easier to share handlers among Playbooks and Roles.
* Managed Kubernetes charts using Helm, Created reproducible builds of the Kubernetes applications, managed Kubernetes manifest files and Managed releases of Helm packages.
* Configured local repository to connect Linux servers to RHEL site for downloading packages.
* Resolving all merge conflicts by branching and merging code lines in GIT
* Installation, Configuration of Kubernetes and clustering them along with the management of deployments in Kubernetes.
* Installing, Configured and management in Ansible Centralized Server and creating the playbooks to support various middleware application servers.
* Configuration of servers and deployment of software with zero downtime using Ansible playbooks with Ansible roles.
* Worked on Selenium Test automation framework to integrate it to the automation pipeline.
* Maintenance and configuration of networking and system securities using AWS Access/Secret Keys, Security Groups, subnets, Internet Gateways, SSL Certificates, SSH keys, Iptables, Network ACL’s and different protocols such as SSH, HTTP, HTTPS, FTP, SFTP.
* Managing day to day activity of the cloud environment, supporting development teams with their requirements.
* Designing and maintaining production-quality Splunk dashboards.

**Environment:** Azure Azure ARM, Azure AD, Azure Site Recovery, Jenkins, Jira, Apache Server, Shell Scripts, Selenium,Maven, GIT, Docker, Kubernetes, Ansible, Chef, Python, SonarQube, Cloud Formation, DynamoDB, Lambda, VPC, Cloud Watch, Cloud Formation, Redshift, Splunk.

**IBM – Bloomington, IL Jan 2015 to July 2015**

**Cloud Engineer**

**Responsibilities:**

* Experience in automation and continuous integration processes with Jenkins, Chef/Puppet.
* Code repository management, code merge and quality checks with various tools, especially git, nexus, etc.
* Architect Development, Test, Integration, and Production AWS environments.
* AWS EC2, EBS, Trusted Advisor, S3, Cloud Watch, Cloud Front, IAM, Security Groups, Auto-Scaling.
* AWS CLI Auto Scaling and Cloud Watch Monitoring creation and update.
* Continuous integration and automated deployment and management using Jenkins, Puppet, Chef, Maven, Ant, Docker, or comparable tools.
* Setup and build AWS infrastructure various resources, VPC EC2, S3, IAM, EBS, Security Group, Auto Scaling, and RDS in Cloud Formation JSON templates.
* Experience with web deployment technology specifically Linux/Nginx/Apache/Tomcat/Java.
* Development, Acceptance, Integration, and Production AWS Endpoints.
* Created Python scripts to: Totally automate AWS services which includes web servers, ELB, CloudFront distribution, database, ec2 and database security groups, S3 bucket and application configuration, this script creates stacks, single servers, or joins web servers to stacks
* Dynamically add and remove servers from AWS production environment
* Automating backups by shell for Linux to transfer data in S3 bucket.
* Experience running LAMP (Linux, Apache, MySQL, and PHP) systems in agile quick scale cloud environment.
* Installation, configuration, and administration of Linux (Redhat/SUSE, Centos).
* Implemented Virtualization using VMware. Installed VMware ESX/ESXi server on Cisco/HP/Dell Servers.
* Interact with developers and Enterprise Configuration Management Team and created best practices and tools to eliminate non-efficient practices and bottlenecks.

**Environment**: AWS Cloud, RHEL 6.x, Solaris and Windows, Chef, Shell, Python, AWC EC2, WLST, Tomcat7.x, ScienceLogic, Nagios, OpenStack, SOA 11g, IDM 11g, Test Director, Quality Center, BMC Remedy, Oracle HTTP Server.

**Comcast – Philadelphia, PA Oct 2013 to Nov 2014**

**DevOps/Linux Engineer**

**Responsibilities:**

* Installation, upgrade, and configuration of RedHat Linux 4.x, 5.x, 6.x using Kickstart Servers, AIX 6.1/7.1, **CentOS, SUSE Linux,** servers on various hardware platforms.
* Installation, configuration, and support of Linux virtual machines on VMware Hypervisor using ESXi and VSphere in a large enterprise environment.
* Responsible for package management using RPM and YUM, Kernel patches, Firmware Upgrades, systems configuration, and performance tuning on Unix/Linux systems.
* Creation and management of user accounts, security, permissions, disk space and process monitoring in Solaris, CentOS and Redhat Linux.
* Upgrade of Technology level and Service pack using alternate disk method.
* Configuration and management of Logical Volumes.
* Configuration of DNS, NFS, SFTP, FTP, security management and remote access.
* Installation and configuration of Apache on Linux servers.
* Managing patch configuration, Version control, security issues, Scheduling Cron jobs and system backups
* Used Bamboo to perform automated Builds and Deployments JAVA applications to DEV, test pre-prod and prod environments.
* Configuration of JIRA as defect tracking system which includes plugins for the JIRA bug tracker, customizations, and workflows.
* Working on SDLC process with the architects as an owner of the post development environments.
* Deployment of EAR and WAR archives on Apache and WebLogic Servers.
* Building data center on AWS platform by installing GIT, SVN, Bitbucket, Jenkins images.
* Installation, configuration and management of server management tools CHEF, PUPPET, JENKINS, and CF Engine.
* Management of build results in Jenkins and configuring workflows for the deployment.
* Installation and configuration of Jenkins for Automating Deployments.
* Providing automation solution with Jenkins which helps in setting up automatic deployments.
* Automation of code check-out process by integrating GIT into Jenkins
* Development of FUNCTIONAL and UNIT tests in Ruby and Python
* Automation of build and release tasks using Python /Shell Scripts.
* Providing 24/7 on-call Production support for critical Applications databases.

**Environment**: Red Hat Linux 5/6, IBM AIX, Logical Volume Manager, web servers, LDAP directory, BEA Web logic servers, VMWARE ESXI, SAN Switches, Apache, Tomcat WebSphere, Web logic application server. Java/J2ee, Eclipse, Chef, AWS (Amazon Web Services), CHEF, PUPPET, CF ENGINE, Ant, Maven, Subversion, SVN, GIT, Python, Ruby, Jenkins, Centos, PERL.

**IntelliTek – India July 2012 to June 2013**

**Linux Administrator**

**Responsibilities:**

* Installation, configuration, upgrade and maintenance of RHEL 6/7 on HP Power Blade Systems, AIX 5.3/6.1/7.1 on Pseries systems for development, test, production and DR environment.
* Managing Red Hat servers using KVM and virtual servers with VMWARE-VSphere.
* Storage Management including creation of LUN’s, configuring and allocation of LUN's to a host.
* Setup of full networking services and protocols on UNIX, including NIS/NFS, DNS, SSH, DHCP, NIDS, TCP/IP, applications.
* Configuring Linux servers for Oracle Real Application Clusters and SAN based mount points.
* Scheduling cron jobs for various backup and monitoring tasks and supporting enterprise backups using COBALT IRON backup tool.
* Installing and configuring Apache Web server and IBM HTTP SERVER.
* Installation and configuration of NAGIOS application to monitor both REDHAT and AIX servers.
* Configuration and support of Active directory configurations on REDHAT and AIX servers
* Providing temporary and permanent sudo permissions to users depending on the job requirement and security request clearance.
* Standard system administration tasks, such as Scripting (korn and bash shell), system monitoring, performance usage, network support, and user support.
* Standard system administration tasks performed, such as system monitoring, performance usage, network support, and user support
* SAN Migration from IBM XIV to V7000 Storage.
* Hardware Migration of LPAR’S from power7 to power8.
* SAN PORT ZONING for the new hardware.
* Snapshot of servers and flex clone refresh as requested by database team.
* Coordinate with Application, Database and AD teams’ best time to schedule the change so that there is no client or customer impact.
* Documenting all the installation, Flex clone refresh, Migration and patching procedures.

**Environment:** Red-Hat Linux 6.1/7 (HP ProLiant DL 585, BL 465/485, ML Series), A IX 6.1/7.1 (IBM PSeries), Oracle 10g, SAN(IBM XIV,V7000), VERITAS Cluster Server 5.0, Cobalt Iron, NFS, NIM,TCP/IP,DNS, Shell programming, Jboss 4.2, JDK 1.5,1.6, VMware Virtual Client 3.5, VMware Infrastructure 3.5.