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**PROFESSIONAL SUMMARY:**

* Over 8+ Years of Experience in Information Technology includes Systems Administration & DevOps management methodologies and production deployment which include Packaging, Deploying and Application Configurations.
* ExperiencewithCI (Continuous Integration) and CD (Continuous Deployment) methodologies using Jenkins.
* AWS in a DevOps Culture through Continuous Integration (CI) & Continuous
* Exhaustive hands-on experience in Windows and UNIX environments.
* Exhaustive hands-on experience in ANT, Maven, Shell programming, ruby programming.
* Strong hands on experience with scripting languages like Python, Ruby, PowerShell, and JavaScript.
* Expert in Server Builds, Installs, Upgrades, Patches, Configuration and Performance Tuning in Red Hat Linux/Windows Server 2003/2008 on VMware virtualized environments.
* Worked Extensively on Microsoft office suite and Share Point.
* Expertise working on VMware Converter 4.3/5.0 to do virtual to virtual migration as well as Physical to virtual server migration
* Experience writing both Power Shell and PowerCLI scripts to automate Virtual Machine builds and DNS entry configurations.
* Installing, managing, troubleshooting, securing, configuring and tuning critical servers on LINUX platforms.
* Created Puppet manifests for automating server tasks, installing and monitoring.
* Imported and managed multiple corporate applications into Subversion (SVN).
* Configured and maintained the Shell/Perfl deployment scripts for Web logic and UNIX servers.
* Produced comprehensive architecture strategy for environment mapping in AWS that involved Active Directory, LDAP, AWS Identity and Access Management (IAM) Role for AWS API Gateway platform. Implemented Micro Services with AWS EC Docker, code build, packaging, pipeline, provisioning, deploy, commit process and change management.
* Support day to day system infrastructure both internally and systems hosted in the AWS/EC2 cloud infrastructure.
* Extensive knowledge on various Linux/Unix File systems and Experienced with the installation, configuration and volume/File system management using Veritas Volume Manager (VxVM), Logical Volume Manager (LVM) on AIX and LINUX.
* Expertise in file system concepts like LVM, SVM, Creating new file systems, increasing and decreasing file systems, mounting file systems, un mounting file systems and troubleshooting Disk space issues
* Created and maintained user accounts, profiles, security, rights, disk space and process monitoring.
* Good knowledge and hands on experience of writing Perl and BASH scripts.
* Experience in Installation, administration and configuration of VIOS and VIO client LPAR'S through HMC.

**TECHNICAL SKILLS:**

Operating Systems: Linux (Red Hat 4.x,5.x, 6.x),UNIX, WINDOWS NT/2000/2003/XP/VISTA/7

Version Control Tools: GIT, SVN, IBM Rational Clear Case.

Languages: C, JAVA, XML, SHELL, PERL, RUBY.

Databases: My SQL, MS Access, Oracle 9i/10g/11g, DB2.

Application Servers: TOMCAT, WEBLOGIC, WEBSPHERE.

CI Tools: Jenkins, Bamboo, Hudson

Configuration Management: Ansible, Puppet, Chef.

Build/Monitoring tools: Jenkins, Apache Ant, Apache Maven, Gmake, makefile, Nagios.

Cloud & Storage: AWS EC2, VPC, EBS, SNS, RDS, EBS, Cloud Watch, Cloud Formation AWS Configuration, S3, auto scaling, Cloud Trail. VMWare, EMC Clariion/Symmetric, Veritas, SAN, NAS.

Virtual-Infrastructure

Technologies: Virtual machine, Hypervisors, ESX Host, VMware.

**WORK EXPERIENCE**

**State Auto Insurance, Columbus, Ohio.**

**Sr.DevOps/CICD Engineer Oct 2017 - Present**

**Responsibilities:**

* Administered and Engineered Jenkins for managing weekly Build, Test and Deploy chain as a CI/CD process, SVN/GIT with Dev/Test/Prod Branching Model for weekly releases.
* Migrated VMWARE VMs to AWS and Managed Services like EC2, S3 Bucket, Route53, ELB, EBS using Ansible automation.
* Write installation scripts as Ansible playbooks to promote software (WebLogic, Tomcat, Oracle HTTP Server, Apache HTTP Server, Oracle Data Integrator, RabbitMQ, REDIS Cache) from development environments through test environments and into production environments, ensuring that each environment is correct and consistent so that any of the DEV/QE/STAGE environments can be rebuilt faster.
* Use Ansible for building and versioning infrastructure safely, efficiently and deploy configuration files specific to environment.
* Utilize and modified Jenkins Pipeline build for automating the creating of Kubernetes clusters for application deployments
* Leveraged Docker Engine to run Multiple Tomcat Instances as Containerized AppServers.
* Virtualized the servers on AWS using the Docker, created the Docker files and version controlled them.
* Automated Weekly releases with Jenkins for Compiling Java Code.
* Worked on AWS Lambda for Reverse DNS for a Private cloud.
* Pipelined Application Logs from App Servers to Elasticsearch (ELK Stack) through Logstash.
* Deployed multiple-platform servers monitored and distributed using Nagios.
* Supported 1000+ cloud instances and skilled in Cloud command line on both AWS and openstack.
* Documented all build/release documented process and provided level one support during the build.
* Implemented and written DB configurations for minimal AWS templates usage and optimize final product.
* Worked with JIRA for creating Projects, assigning permissions to users and groups for the projects & Created Mail handlers and notification Schemes for JIRA.
* Planned and performed the upgrades on Linux operating systems and hardware maintenance on HP and POWER servers like increasing memory, disk, replacing failed hardware.
* Work with development teams and business areas to plan future capacity requirements and hold regular meetings to review usage as well as create, revise, and report any new measurements required to manage mainframe or distributed environments.

**TIAA Cref, Charlotte NC**

**Linux/DevOps Engineer Jan 2016 – Sept 2017**

**Responsibilities:**

* Administered and Engineered Jenkins for managing weekly Build, Test and Deploy chain as a CI/CD process, SVN/GIT with Development, Test Environment & Production Branching Model for planned and unplanned weekly releases.
* Working with the hardware vendors and application team for the faulty replacement and planning the breaks accordingly.
* Creating customized Kickstart profiles for each server and making ISO to build the server.
* Managing and supporting a multi-cloud environment which includes AWS.
* Design AWS Cloud Formation templates to create custom sized VPC, subnets, NAT to ensure successful deployment of Web applications and database templates, security product templates.
* Design roles and groups for users and resources using AWS Identity Access Management (IAM).
* Design AWS account in such a way that the user has minimum privileges and still be able to do what engineers need to do for their project.
* Creating S3 buckets and also managing policies for S3 buckets.
* Creating Cloud watch alerts for instances and using them in Auto scaling launch configurations.
* Bootstrapping instances using Chef and integrating with Auto scaling.
* Manage the configurations of more than 4000 servers using Chef.
* Providing exceptional availability, scalability and security for services.
* Extensively worked on Oracle RAC requirement, allocated 3.2TB of EMC SAN Storage which was to be added to Oracle ASM including the ownership being given to DBA. RAC disks were to use ASM and not AIX LVM.
* Installed Chef-Server Enterprise On-Premise/WorkStation/ Bootstrapped the Nodes using Knife.
* Designed and implemented Chef, including the internal best practices, cookbooks automated Cookbook CI and CD system.
* Made use of Jenkins for Chef CI, Thor for versioning, Berkshelf for dependency management, and Test-Kitchen for testing and development.
* Migrated VMWARE VMs to AWS and Managed Services like EC2, S3 Bucket, Route53, ELB, EBS Etc., with Opscode Chef Cookbooks/Recipes.
* Wrote Python Scripts to Monitor Variety of Services & Perl Scripts with Hash/Arrays to Insert/Delete/Modify content in multiple servers.
* Worked with development teams and business areas to plan future capacity requirements and hold regular meetings to review usage as well as create, revise, and report any new measurements required to manage mainframe or distributed environments.
* Provided drill down reporting for application teams to use in monitoring their application resource usage/performance.
* Worked with application development teams to make recommended changes that improve program performance.

**ACE InfoTech, Banglore, INDIA.**

**Linux/DevOps Engineer May 2013 – Nov 2015**

**Responsibilities:**

* Installing and configuring Puppet writing manifests to automate day-to-day activities.
* Managed 500 servers using Puppet to install and update system, application configurations.
* Setting up servers through using UNIX for deployment or other uses for application.
* Responsible for CI environments (Jenkins, Nexus, Sonar).
* Developed build and deployment scripts using ANT and MAVEN as build tools in Jenkins to move from one environment to other environments and also create new jobs and branches through Jenkins.
* Used vagrant to automate provisioning of development and production environment on AWS with Ubuntu instances, Apache, and MySQL.
* Experienced in working on DevOps/Agile operations process and tools area (Code review, unit test automation, Build & Release automation, Environment, Service, Incident and Change Management).
* Extensively worked with automation tools like Hudson, Jenkins and Build Forge to implement the End-to-End Automation.
* Extensively worked with Version Control Systems SVN (Subversion), GIT, Perforce, and IBM Rational Team Concert.
* Experienced in working with ANT and MAVEN for the structure of deployable objects such as war & ear from source code.
* Installed Chef-Server Enterprise On-Premise/WorkStation/ Bootstrapped the Nodes using Knife.
* Designed and implemented Chef, including the internal best practices, cookbooks automated Cookbook CI and CD system.
* Made use of Jenkins for Chef CI, Thor for versioning, Berkshelf for dependency management, and Test-Kitchen for testing and development.
* Migrated VMWARE VMs to AWS and Managed Services like EC2, S3 Bucket, Route53, ELB, EBS Etc., with Opscode Chef Cookbooks/Recipes.
* Troubleshoot application issues that arise during deployments and continue to tune environment for performance enhancements and security requirements.
* Helped customers establish processes to manage and maintain systems post-deployment.
* Performed vulnerability analysis and remediation using native Microsoft and 3rd party tools.
* Provide input to the development team on product enhancements to further streamline future deployments.
* Performed application installation, support, testing, and troubleshooting skills.
* Worked with VMware via vsphere and vcenter.
* Deployment & Configuration Automation Experience (Bamboo, Blade Logic, and Bash Shell scripts, Ansible).
* Little DB Administration Experience (MySQL, and Informix).
* Experience with administration of load balance devices (preferred F5 Big-IP).
* Backup and Restore Experience (NetBackup), System Monitoring Experience with Nagios and Zabbix.

**Pro Arch IT, Hyderabad, INDIA**

**AWS/DevOps Engineer Feb 2012 - May 2013**

**Responsibilities:**

* A technical design team member involved in Build and Release module development of new products.
* Collaborated with DevOps team and responsible for specialization in chef for Cloud automation.
* Developed automated process for builds and deployments using Jenkins.
* Created Release Plan, Definition, collection, analysis & presentation of Release Project Metrics on weekly basis.
* Involved in deploying systems on Amazon Web services Infrastructure services EC2, S3, RDS, SQS, Cloud, Formation
* Applied AWS DMS tools to migrate on-premises databases to cloud.
* Created AWS RDS MYSQL DB cluster and connected to database through the AWS RDS MYSQL DB instance using the console.
* Expert in using AWS CLI to automate backups to S3 and EBS. Create nightly AMI’s for critical production servers.
* Created Python script to manage resources deployed on AWS using AWS API calls.
* Maintaining 5-6 testing environments and erect production environment in AWS.
* AWS server provisioning using chef recipes.
* Implemented automated builds on QA and Development servers on node server environments using cookbook modules.
* Provided automated solutions and installed & configured Jenkins/Hudson for automated deployments.
* Established build process using Jenkins for Continuous integration and used Jenkins to automate deployments and Enterprise scale infrastructure configuration.
* Experience in managing VMware Virtual Hardware, Memory, NIC and VDISK.
* Migrated VMWARE VMs to AWS and Managed Services like EC2, S3 Bucket, Route53, ELB, EBS Etc with Ansible.
* Written scripts in Python to automate log rotation of multiple logs from web servers.
* Creating NAT and Proxy instances in AWS and manage route tables, EIP’s and NACLs.
* Created private cloud using Kubernetes that supports DEV, TEST, and PROD environments.
* Managed Kubernetes charts using Helm. Created reproducible builds of the Kubernetes applications, managed Kubernetes manifest files and managed releases of Helm packages.
* Experience in package and patches management on Linux and Solaris servers, firmware upgrades and debugging.
* Build and Release management using configuration tools Jenkins
* Supported physical servers and virtualized servers. Worked with other engineers to support SANs (NetApp, Pure Storage) and VMWare hosts.

**Visog Global It Solutions, Hyderabad, India**

**Linux Adminstrator Jun 2011 – Jan 2012**

**Responsibilities:**

* Installation, configuration and upgrade of Apache, JBOSS, Web sphere, MQSeries, Oracle & IBM Databases on the RHEL and OEL Linux Systems manually and also through Puppet.
* Remote system administration using tools like SSH, Telnet, and Rlogin.
* Planning and implementing system upgrades including hardware, operating system and periodical patches.
* Applied appropriate support packages/patches to maintain system integrity.
* Performed capacity analysis, monitored and controlled disk space usage on systems.
* Monitored system activities and fine-tuned system parameters and configurations to optimize performance and ensure security of systems.
* Pushing files, updates using CFEngine.
* Creating profiles manifests for new servers, and pushing them to servers using puppet.
* Responsible for maintenance of development tools, utilities and to maintain shell, Perl automation scripts.
* Creating virtual machines using Xen and deploying OS, managing hardware.
* Creating, installing, WebLogic Application servers, deploying WAR, JAR files on them installed on both Linux, Solaris servers.
* Installing, configuring JBoss 4.3 on Linux, UNIX servers, integrating it with Apache server.
* Monitoring of various services using Service Management Facility and Service Administration.
* Installing, configuring Veritas NetBackup 6.5 on Linux, Solaris servers, creating backup polices.
* Performed capacity analysis, monitored and controlled disk space usage on systems.
* Monitored system activities and fine-tuned system parameters and configurations to optimize performance and ensure security of systems.