Name: M Venkat

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* Professional with 7.6 years of experience in IT industry comprising of build release management, software configuration, design, development and cloud implementation.
* Cognitive about designing, deploying and operating highly available, scalable and fault tolerant systems using Amazon Web Services (AWS).
* Extensively worked using AWS services along with wide and in depth understanding of each one of them.
* Highly skilled in deployment, data security and troubleshooting of the applications using AWSservices.
* Experienced in implementing Organization DevOps strategy in various operating environments of Linux and windows servers along with cloud strategies of Amazon Web Services.
* Experienced with event-driven and scheduled AWS Lambda functions to trigger various AWSresources.
* Acquired practical exposure with Continuous Integration/Continuous Delivery tools like Jenkins, saltstack
* Implemented automation using Configuration Management tools like Chef, Puppet and SaltStack.
* Involved in the functional usage and gained working knowledge of web servers like Tomcat, HTTP, JBOSS, IIS, Websphere, Weblogic, and Nginx.
* Exposed to build tools like ANT, MAVEN and bug tracking tool JIRA in the work environment.
* Experienced with installation of AWS CLI to control various AWS services through SHELL/BASH scripting.
* Experienced in writing complex SQL queries and scheduled tasks using cron jobs.
* Experienced in version control and source code management tools like GIT and SVN
* Good knowledge in relational and NoSQL databases like MySQL 6.7, Aurora RDS,PostgreSQL,Oracle and MongoDB and performed security harden steps to database instances
* Used pgadmin tool to connect postgre instance
* Gained exposure at professional level with C, JAVA, HTML, CSS and JAVASCRIPT.
* Possess working knowledge with Python in writing scripts to automate software configuration process with SaltStack.
* Worked on various operating systems like Linux, RHEL, Ubuntu, Windows and CentOS.
* Possess high working qualities with good interpersonal skills, high motivation, fast learner, good team player and very proactive in problem solving to provide best solutions.
* Expertise in using builds tools like MAVEN and ANT for the building of deployable artifacts such as war & ear from source code.
* Extensive Experience in Amazon AWS cloud which includes services like: EC2, S3, EBS, VPC, ELB, AMI, SNS, RDS, IAM, Route 53, Auto scaling, Cloud Front, Cloud Watch, Cloud Trail, CloudFormation, Security Groups.
* Worked on JIRA Administration including user management, workflow & field creation/modification, issue migration/import/export, plugin installation, Jira- Subversion (SVN), Jira-Git, Jira-Confluence integration.
* Installed, Configured, Managed Monitoring Tools such as  Nagios, collectd,cloud watch,cloud trail,awslogs and SNS topics
* Expertise in file system concepts LVM, creating new file systems, increasing and decreasing file systems, mounting file systems, unmounting file systems and troubleshooting Disk space issues. Efficiency in installing, configuring
* Installed and managed Middleware tools through Puppet such as WebSphere Application Server 7.x/8.x, J, IBM IHS, Apache & Tomcat.
* Worked on Multiple AWS instances, set the SecurityGroups, Elastic Load Balancer and AMI’s, Auto Scaling to design cost effective, fault tolerant and highly available systems.
* Expert with Installation of Linux and Windows OS such as RHEL 5.x/6.x/7, CentOS, SUSE Linux, Ubuntu, Windows Server 2003/2008-R2/2012-R2 and SUSE Linux 10.x/11.
* Experience in Administration/Maintenance of Source Control Management Systems such as Git and Sub Version (SVN). Created tags and branches, fixed merge issues and administered software repositories.
* Ensure data integrity and data security on AWS technology. Understand and monitor metrics on AWS.
* Installation, Configuration and Management of RDBMS and NoSQL tools such as SQL Server 2008/2012/2014, MySQL, DB2, PostgreSQL, MongoDB .
* Expertise in implementation and maintenance of Apache Httpd, SMTP, DHCP, NFS, NIS, NIS+, LDAP, Postfix, Send Mail, FTP, Remote Access, Security Management&Security trouble shooting skills.
* Expert in automation (writing Shell, Perl & Python scripts) to monitor UNIX production applications.

**EDUCATION**

* B.Tech in computer sciene and Information Technology from Jawaharlal Nehru Technical University, India

**PROFESSIONAL EXPERIENCE**

* Working as senior software engineer in Xoriant Solutions,Pune from September 2017 to till date
* Worked as Technical lead in Cognizant, Hyderabad from April 2012 to Jan 2017.
* Worked as Senior software engineer in DELL, Bangalore from April 2011to March 2012
* Worked as Software engineer in HSBC, Hyderabad from March 2010 to Feb 2011

**CERTIFICATIONS**

Certified in WebSphere Application Server 6.x

Certified in ITIL

**PROJECT PROFILE**

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| Project #1 | KPMG-Spectrum, from September 2017 to till date |
| Client | Kpmg, Pune(India) |
| Role | Senior Software Engineer |
| Environment | AWS (EC2, VPC, ELB, S3, EBS, RDS, Route53, ELB, Cloud Watch, AWS Auto Scaling, Lambda), GIT, SQL, Jira, AWS , Unix/Linux, , Shell scripting, Jenkins, salt stack, Nginx,graphite, and Tomcat |

* Responsible for architecting, designing, implementing and supporting of cloud based infrastructure and its solutions.
* Managing Amazon Web Services (AWS) infrastructure with automation and orchestration tools such as Chef.
* Proficient in AWS services like VPC, EC2, S3, ELB, AutoScalingGroups(ASG), EBS, RDS, IAM, CloudFormation, Route 53, CloudWatch, CloudFront, CloudTrail.
* Experienced in creating multiple VPC’s and public, private subnets as per requirement and distributed them as groups into various availability zones of the VPC.
* Created NAT gateways and instances to allow communication from the private instances to the internet through bastion hosts.
* Involved in writing Java API for Amazon Lambda to manage some of the AWS services.
* Used security groups, network ACL’s, internet gateways and route tables to ensure a secure zone for organization in AWS public cloud.
* Created and configured elastic load balancers and auto scaling groups to distribute the traffic and to have a cost efficient, fault tolerant and highly available environment.
* Created S3 buckets in the AWS environment to store files, sometimes which are required to serve static content for a web application.
* Performed security harden steps to s3 buckets
* Configured S3 buckets with various life cycle policies to archive the infrequently accessed data to storage classes based on requirement.
* Possess good knowledge in creating and launching EC2 instances using AMI’s of Linux, Ubuntu, RHEL, and Windows and wrote shell scripts to bootstrap instance.
* Used IAM for creating roles, users, groups and also implemented MFA to provide additional security to AWS account and its resources.
* Written cloud formation templates in json to create custom VPC, subnets, NAT to ensure successful deployment of web applications.
* Implemented domain name service (DNS) through route 53 to have highly available and scalable applications.
* Maintained the monitoring and alerting of production and corporate servers using Cloud Watch service.
* Created EBS volumes for storing application files for use with EC2 instances whenever they are mounted to them.
* Experienced in creating 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 EC2 instances.
* Acquired immense knowledge with configuration management tool salt stack.
* Responsible for Continuous Integration and Continuous Delivery process implementation using Jenkins along with Python and Shell scripts to automate routine jobs.
* Implemented Continuous Integration using Jenkins and GIT from scratch.
* Responsible for performing tasks like Branching, Tagging, and Release Activities on Version Control Tools like SVN, GIT.

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| Project #2 | Amex-IDN Sphere, from March 2014 to Jan 2017 |
| Client | Amex, Hyderabad(India) |
| Role | Technical Lead |
| Environment | AWS, Chef,Open Stack, Java/J2EE, Maven,MSBuild Tool, JENKINS, Web logic, VMware, Apache, Nginx, GitHub, SVN, Oracle DB,ServiceNow |

**RESPONSIBILITIES:**

* Managing Amazon Web Services (AWS) infrastructure with automation and configuration management tools such as Chef or custom-built designing cloud-hosted solutions, specific AWS product suite experience
* Deployed and configured Chef Server and Chef Solo including bootstrapping of Chef Client nodes for provisioning, Created roles, cookbooks, recipes, and data bags for server configuration, deployment, and app stack build outs.
* Deployed application updates using Jenkins. Installed Chef-Server Enterprise On-Premise/WorkStation/ Bootstrapped the Nodes using Knife.
* Supported developers in writing cookbooks for deploying product applications in development, QA, and production environments.
* Worked with Version controller like GIT and integration tools Jenkins.
* Built and Deployed Java/J2EE to a web application server in an Agile continuous integration environment and automated the process.
* Good knowledge in using builds tools like MAVEN and ANT for the building of deployable artifacts such as war & ear from source code.
* Manage VMware Infrastructure clusters on Production Test/Development environments.
* Migration of Red Hat Linux servers from 4.x to 5.x version and working with the application team to resolve the issues post migration.
* Strong experience in implementing Desired State Configuration (DSC) using PowerShell
* Used tracking tool ServiceNow and triaged the issues and maintained bugs using ServiceNow tool.
* Promote involvement of application development teams to make recommended changes that improve program performance.
* Provide responsive off-hours support in a 24 / 7 environment and ensure maximum availability of all servers and applications
* Installed, Deployed Red Hat Enterprise Linux 6.x/7.x, CentOS and installation of packages and patches for Red Hat Linux Servers.
* Migrated services from a managed hosting environment to AWS including: service design, network layout, data migration, automation, monitoring, deployments and cutover, documentation, overall plan, cost analysis, and timeline.
* Migrated the VMs to AWS cloud using Chef recipes and developed cookbooks to provision the AWS components as EC2, Elastic Load Balancer, EBS, S3 Bucket, Route53 and IAM Security and also wrote the custom cookbooks to manage computer resources and applications in hosted On-premises

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| Project #3 | UBS-GEM, from April 2011to March 2012 |
| Client | UBS,Singapore |
| Role | Senior software engineer |
| Environment | Puppet, AWS, Maven, Ant, Debian/Redhat, CentOS, Java, JIRA, Python, Maven, JIRA, LINUX, XML, Windows XP, Python Scripts, Shell scripts, Apache Web Server, GitHub,Nagios |

**RESPONSIBILITIES:**

* Implemented the setup for Master slave architecture to improve the Performance of Jenkins
* Configuration and Administration of Apache Web Server and SSL.
* Created and maintained network users, user environment, directories, and security.
* Worked with JIRA for creating Projects, assigning permissions to users and groups for the projects & Created Mail handlers and notification Schemes for JIRA.
* Experience working with production servers at multiple data centers.
* Installed and configured monitoring tools Nagios for monitoring the network bandwidth and the hard drives status.
* Participated in the release cycle of the product which involved environments like Development, INT, QA, UAT and Production.
* Worked on installation, configuration and maintenance Debian/Redhat, CentOS and SUSE Servers at multiple Data Centers.
* Migrated consumer data from one production server to another production server over the network with the help of Bash and Perl scripting.
* Designed Puppet Modules to manage configurations and automate installation process. Experience with configuration Management Tools.
* Utilized Puppet to automate single-command provisioning for development and production environments for an operations tools startup.
* Deploy and monitor scalable infrastructure on Amazon web services (AWS) & configuration management using puppet. Worked on Physical to Cloud Migration in AWS.
* Experience in AWS, which included managing application in the cloud and creating instances.
* Installed and configured monitoring tools Nagios for monitoring the network bandwidth and the hard drives status.
* Developed and supported the Red Hat Enterprise Linux based infrastructure in the cloud environment.
* I was involved in deployment of web applications into different application servers by using various deployment tools for ex: Jenkins
* Administered and Engineered Jenkins for managing weekly Build, Test and Deploy chain, GIT with Dev/Test/Prod Branching Model for weekly releases
* Developed build and deployment scripts using ANTand MAVEN as build tools in Jenkins to move from one environment to other environments.
* Maintained and coordinated environment configuration, controls, code integrity, and code conflict resolution.

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| Project #4 | SABB( Tied up with HSBC, from March 2010 to Feb 2011) |
| Client | SABB, Riyadh, Saudi Arabia |
| Role | Software engineer |
| Environment | IBM WebSphere Application Server7.x/6.x/5.x, Apache Tomcat, IBM HTTP Servers |

**RESPONSIBILITIES:**

* Installation, Configuration and Administration of IBM WebSphere Application Server 7.0, 6.1, 6.0, 5.1 versions on Windows Environments.
* Used WebSphere Admin Console and wsadmin - Jython scripting to install and update enterprise EAR.
* Wrote Jython scripting for start/stop clusters, servers and for auto deployments.
* Installed, configured and propagated IBM HTTP server and its Plugins for managed and unmanaged nodes
* Maintaining updated documentation of all the Servers and the installed applications and patches.
* Monitoring Application log files, Application Server Performance
* Involved in configuring the Web Directory access protocols like LDAP for different levels of access at the site
* Configured a virtual host for Development and Test environments.
* Configured databases separate from the Websphere administrative repository database.
* Creating profiles for deployment manager and node agents.
* Using Websphere Advanced Administrative Console configured JDBC driver and data source.
* Keeping Backups of deployed Applications
* Workload management using WebSphere Modeling and Clustering on Application Servers.
* Diagnosis and repair of the WebSphere Environment.
* Responsible for scheduling the installations and upgradation, and maintains them in accordance with established policies and procedures
* Created scripts for Automatic deployment of new WAR files in to the Environment