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| Gaurav S.  972-413-8651 [gauravbs.1990@gmail.com](mailto:gauravbs.1990@gmail.com) | | A picture containing clipart  Description generated with high confidenceLPIC-1-Medium.pngdownload.png |
| **Summary** | | |
| * A proactive – AWS Certified Solutions Architect and Developer, IT Professional with 6+ years of experience in IT industry with major focus on Automating, Building, Deploying, and Releasing of code include near three years on Amazon Web Services (AWS) in a DevOps Culture through Continuous Integration (CI) & Continuous Deployment/Delivery (CD) as an iterative process and Automation of Infrastructure as Code. * Experienced in all phases of the Software Development Life Cycle (SDLC) with specific focus on the build and release of quality software. Experience in Waterfall, Agile/Scrum. * Valuable experience in shell and python scripting with focus on DevOps tools, CI/CD and AWS Cloud Architecture and hands-on Engineering. * Hands-on experience on Git, SVN, TFS, Chef, Docker, Jenkins, Puppet, Nagios and various other DevOps tools. * Extensive knowledge and experience of release and build management, managed all the DevOps activities. * Extensive experience working in Chef for Configuration management and Continuous delivery/deployment. * Worked on Configuration management tool Puppet for continuous delivery. Experience in working with Modules, Classes, and Manifests in Puppet. * Worked on Jenkins for continuous integration and for End-to-End automation for all Build and deployments. * Experience in working on Docker and Vagrant for different infrastructure setup and testing of code. * Experience and knowledge in monitoring and testing tools like; Nagios and Splunk. * Experience in using Nexus and Artifactory Repository Managers for Maven builds. * Hand on experience with AWS components such as VPC, EC2, ECS, AMI, IAM, RDS, S3, Elastic IPs, EBS, Security Groups, ALB/ELB, Auto Scaling, CodeDeploy, CloudWatch, ClodTrail, Route 53, ElastiCache, AWSLambda, andCloudFormation. * Good exposure on CloudWatch, Elastic IP's and managing security groups on AWS. * Experience in development and deployment of applications using JBoss, IBM WebSphere Application and Apache Tomcat with load balancing and CDN. * Experience with Cloud security and log tools like Dome9, Data Dog and Sumo Logic. * Build and troubleshooting experience with ESX Servers and ESXi Servers, extensive knowledge in advance features of ESX VMOTION, SVMOTION, HA and DRS. * LPIC-1: Administration certification with experiencein Red Hat Enterprise Linux 5 and 6 which includes installation, testing, tuning, upgrading and loading patches, troubleshooting virtual server issues. | | |
| **Computer skills** | | |
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| Amazon Cloud Services/AWS | VPC, EC2, ECS, AMI, IAM, RDS, S3, Elastic IPs, EBS, Security Groups, ALB/ELB, Auto Scaling, CodeDeploy, CloudWatch, ClodTrail, Route 53, ECS, EMR, ElastiCache, AWS Lambda, and CloudFormation |
| DevOps/SCM Tools | GitHub, SVN, TFS,Jenkins, Continuous Integration & Delivery, Puppet, Chef, Docker, Nagios, DataDog, Sumo Logic |
| Operating System | Linux, Microsoft Windows Family, VMWare – Installations and Administrations, Tuning, Updates & Patching. |
| Scripting | Shell, Python – Automated scripts for Backups, Deployments and various automated daily tasks. |
| Basic programming | HTML, CSS, JS, JAVA. |
| **Certifications** | |
| * AWS Certified Solutions Architect – Associate * AWS Certified Developer – Associate * LPIC-1 (Linux Professional Institute): System Administrator * Chef Fluency Badge | |

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| **Experience** | | | | | |
| *AWS Migration Engineer, DevOps Consultant* | | | | | **Sep 2017 – Present** |
| *Thomson Reuters, Oak Brook (Greater Chicago Area), IL* | | | | | |
| * Involved in designing and deploying a multitude applications utilizing full stack of AWS resources: EC2, S3, IAM, Auto Scaling, ELB, VPC, Cloud Formation Templates, Route 53, SNS, Cloud Watch. * Migrated current on-premise Linux Build servers into AWS environment. * Configured and migrated on-premise Jenkins server to AWS, installed and configured Jenkins slaves on AWS. * Configured Jenkins with Amazon EC2 plugin that allows Jenkins to start slaves on EC2 on demand, and kill them as they get unused. * Migrated VMDK images to AWS using AWS SMS Convertor and AWS VM Import/Export tools. * Provided POCs for CICD use cases in Cloud using different tools: Jenkins, AWS components, JFrog Artifactory Repository, GitHub, Docker containers, Chef, JIRA. * Helped improving AWS infrastructure with industry best practices in security, monitoring and cost utilization. * Migrated KVM images to AWS using qemu tool, VMWare ESXi Host, AWS components. * Integrated Jenkins with GitHub, JFrog Repository, AWS Components, Chef, Docker to build and configure fully automated CICD pipelines. * Helped in better shaping Bastion service to access AWS instances from local network, restricting AWS resources access. * Involved in designing and developing a service to give temporary AWS access, eliminating access to long lived user access. * Worked with Chef to aid with deployment process and migrating in house systems to Amazon Cloud Services. * Managed on-site OS/Apps/Services/Packages using Chef and AWS for EC2/S3/Route53/ELB with Chef Cookbooks. * Worked on DataDog tool for AWS services monitoring. * Involved in Chef-infra maintenance including backup/monitoring/security fix on Chef Servers. * Experience with setting up Chef Infra, bootstrapping nodes, creating and uploading Chef Recipes, Chef Node convergence in Chef SCM. * Worked on creation of custom Docker container images, tagging and pushing the images and creating the Docker containers and Docker consoles for managing the application life cycle. * Virtualized the servers using Docker for the test environments and dev-environments needs, also configuration automation using Docker containers. | | | | | |
| *AWS DevOps Engineer* | | | **Feb 2016 – Aug 2017** | | |
| ***AIG, Dallas – Fort Worth, Texas*** | | | | | |
| * Worked as a part of DevOps Team for different internal automation and build configuration management. * Built, managed, and continuously improved the build infrastructure for global software development engineering teams including implementation of build scripts, continuous integration infrastructure and deployment tools. * Delivered Solutions to improve Cloud architecture, deployment for AWS Private and Public Cloud. * Managed multiple AWS accounts with multiple VPC's for both production and non-prod where primary objectives included automation, build out, integration and cost control. * Setup and build various resources in AWS infrastructure – VPC, EC2, S3, IAM, EBS, ELB, Security Group, Auto Scaling, and RDS in Cloud Formation JSON templates. * Setup and configured AWS infrastructure security using AWS services: IAM, Security Groups, ACL, Roles, Policies. Used and extensive knowledge of 3rd party cloud security tool – Dome9. * Implemented several Continuous Delivery Pipelines for various products using Git, Chef, Jenkins and AWS components. * Plan, deploy, monitor, and maintain Amazon AWS cloud infrastructure consisting of multiple EC2 nodes. * Configured S3 versioning and lifecycle policies to and backup files and archive files in Glacier. Used IAM to create new accounts, roles and groups. * Evaluated Chef framework and tools to automate the cloud deployment and operations. * Worked on setting up Chef Workstation, worked with Chef Cookbooks, Chef Recipes and Chef Attributes. * Developed Chef Cookbooks for HTTPD, Tomcat, JBoss, MySQL, etc., and versioned them on Git. * Configured security for WebSphere Application Server using federated repositories, Custom User Registry, Local OS Registry and LDAP Server and configuring SSL. * Experience with setting up Chef Infrastructure, Chef-repo and Boot strapping chef nodes. * Involved in writing Chef Cookbooks and recipes to automate the deployment process and to integrate Chef Cookbooks into Jenkins jobs for a continuous delivery framework. * Integration of Automated Build with Deployment Pipeline. Installed Chef Server and clients to pick up the Build from Jenkins and deploy in target environments (Integration, QA, and Production). * Testing Cookbooks with Test Kitchen and Docker containers even before uploading to chef server and Good understand of Knife, Chef Bootstrap process etc. * Installed, configured and automated the Jenkins Build jobs for Continuous Integration and AWS deployment pipelines using various plugins like Jenkins EC2 plugin and Jenkins Cloud Formation Plugin. * Worked within an agile development team to deliver an end to end Continuous Integration/Continuous Delivery product in an open source environment using Chef and Jenkins. * Script to extract the config.xml of Jenkins job and store in GIT repo, created a new commit if there is any change in the job and created Jenkins nodes and level to run a particular job on defined nodes. * Involved in JIRA as defect tracking system and configure various workflows, customizations and plug-ins for Jira bug/issue tracker. Integration of Jenkins with Jira, GitHub. * Wrote Ant and Shell scripts to automatically configure integration and test environments, including deploying WAR and EAR files, stopping and starting. * Developed build and deployment scripts using ANT and MAVEN as build tools in Jenkins to move from one environment to other environment. * Proven ability in automation using ANT, PERL scripts, Shell Scripting and Python in a continuous build environment. * Managed Amazon Web Services (AWS) infrastructure with automation and configuration management tool such as Chef. Designing cloud hosted solutions, specific AWS product suite experience. | | | | | |
| **Cloud Infrastructure Engineer** | | | | **May 2015 – Jan 2016** | |
| **HP, Nashville, TN** | | | | | |
| * Managed Ubuntu, Linux and Windows virtual servers on AWS EC2 instance by creating Chef Nodes through Open-Source Chef Server. * Highly involved in configuring, monitoring and multi-platform servers by defining Chef Server from workstation to manage and configure Chef Nodes. * Maintained a farm of AWS solutions using EC2 instances, ELB's, S3, EBS, Auto Scaling and RDS. Set up servers through using AWS for deployment or other uses for application. * Performed application server builds in EC2 environment and monitoring them using cloud watch. * Creating public and private subnets in the VPC and attached them to the EC2 instances based on the requirement. * Created scripts using the following: Ruby, Python, Bash. * Supported 250+ AWS Cloud instances and familiar with Amazon Cloud command line management. * Installed, configured and administered Jenkins CI tool using Chef on AWS EC2 instances. * Worked on source code management with GIt and SVN. * Integrated Jenkins with various DevOps tools such as Nexus, Docker, Chef, Git. * Involved in architecting, building and maintaining Highly Available secure multi-zone AWS cloud infrastructure utilizing Chef with AWS Cloud Formation and Jenkins for Continuous Integration. * Experience in setting up the Chef repo, Chef work stations and Chef nodes. * Development of Chef Recipes through Knife command-line tool to create Chef Cookbooks to manage systems configuration. * Developed Configuration Management modules and tools using Opscode Chef and Ruby. * Production experience in large environments using configuration management tools Chef, Puppet. Familiar with build server orchestration. * Implemented a Continuous Delivery pipeline with Docker, Jenkins and GitHub. * Experience with Docker and Vagrant for different infrastructure setup and testing of code. * Deployed Docker Engines in Virtualized Platforms for containerization of multiple applications. * Responsible for Plugin Management, User Management, regular incremental backups and regular maintenance for recovery. * Responsible for Branching, Tagging, Release Activities on Version Control Tools: GitHub. * Setup ANT script based jobs in Jenkins and Worked with Jenkins Pipelines. * Strong experience utilizing Jenkins for enterprise scale infrastructure configuration and application deployments & checking out the code from GIT and use Ant/Maven to build Jar, war and ear artifacts. * Set up private networks and sub-networks using virtual private cloud (VPC) and created security groups to associate with the networks. * Built Domain Name Server (DNS) system in EC2 and managed all DNS related tasks. * Launched Amazon EC2 Cloud Instances using Amazon Images (Linux/ Ubuntu) and configuring launched instances with respect to specific applications. * Performed S3 buckets creation, policies and on the Identity and Access Management (IAM) role based polices and customizing the JSON template. | | | | | |
| VMware Engineer – Linux administrator April 2012 – May 2014 | | | | | |
| **Nirvana Automation, Vesu- Surat, India** | | | | | |
| * Designed, deployed and supported VMware ESXi Servers 5.0 /5.1 and vSphere 5.1 /5.5. * Involved in Data Centers design and Implementation. Designed and implemented VMware 5.1 /VCenter 5.5 and RHEL 5/6 on Cisco UCSM with 6 domains/34 Chassis/200+ Cisco UCS B 200 M3 blades with VBlock (VCE). * Installation of vCenter server and Configuring ESXi - hosts within the cluster using vMotion and HA. * Creating Virtual Machines, installing guest operating systems and installation of VMware tools. * Installed Linux OS, and configured required network on the virtual machines. * Configured and automated the deployment of Linux and VMware infrastructure through our existing kick start infrastructure. * Strong skills in managing Red Hat Linux servers, Virtualization (VMware, Red Hat enterprise virtualization preferred), and system security. * Worked on virtual and physical Linux hosts and involved in day to day administrative activities such as maintaining user accounts, password management, providing advanced file permissions to specific users etc. * Performed configuration of standard Linux and network protocols, such as SMTP, DHCP, DNS, LDAP, NFS, SMTP, HTTP, SNMP and others. * Taking virtual machine snapshots before testing the software, managing snapshots using snapshot manager. * Worked extensively on Blade Logic as a foundation for job launch and security scans/protocols. * Investigated and validated servers identified as decommission candidates from the Legacy Go-Live Processing team using specific validation requirements. * Worked on Migration concepts like vMotion and Storage vMotion. * Collaborated with Citrix team and performed validations and implemented action for servers requiring decommission. * Using Power CLI and Power Shell scripts to manage VMs/Hosts and providing detailed reports for ESXi hosts, VMs. | | | | | |
| *Linux Engineer* | **Jan 2011 – Mar 2012** | | | | |
| **Quality Loggers Pvt. Ltd.**   * Installed Red Hat Linux using kickstart. * Created, cloned Linux Virtual Machines, templates using VMware Virtual Client 3.5 and migrating servers between ESX hosts. * Managed systems routine backup, scheduling jobs, enabling system logging and network logging of servers for maintenance. * Performed RPM and YUM package installations, patch and other server management. * Managed patch configuration, version control, service pack and review connectivity issues regarding security problems. * Installed and configured Logical Volume Manager - LVM * Documented all setup procedures and System Related Policies (SOPs). * Provided 24/7 technical support to Production and development environments * Administrated DHCP, DNS, and NFS services in Linux. * Created and maintained user accounts, profiles, security, rights disk space and process monitoring. * Provided technical support by troubleshooting Day-to-Day issues with various Servers on different platforms. | | | | | |
| **Education and certification** | | | | | |
| Texas A&M University | | **Aug 2014 – Dec 2015** | | | |
| Kingsville, Texas   * MS in Computer Science | | | | | |
| Bhavnagar University | | **May 2007 – May 2010** | | | |
| Bhavnagar, Gujarat, India   * Bachelor of Computer Science | | | | | |