Vijay Anipey
AWS DevOps Engineer

Philadelphia, PA - Email me on Indeed:

Willing to relocate: Anywhere
Authorized to work in the US for any employer

WORK EXPERIENCE

AWS DevOps Engineer
IBM India PVT LTD - April 2013 to June 2014

Project Description: Responsible for day to day monitoring and maintenance of production servers in an environment with 15 million daily transactions, 5 million+ automated daily email volume, global customer base of over 15,000 users. It's an ATS where I was responsible in making sure that releases, and patches were delivered successfully and on time.

Key Deliverables:
• Member of the Technical Design team, Build and Release Module for Development of new products.
• Worked for DevOps Platform team responsible for specialization areas related to Chef for Cloud Automation.
• Technical leader to align processes and tools, such as branching, source control structure, dependency management, Linux\Windows hybrid build infrastructure, code review, and check-in policies, that are developed and instrumented by DevOps teams across projects globally.
• Managed Ubuntu Linux and Windows virtual servers on AWS EC2 using Puppet.
• Experienced with working on Puppet Master and Puppet Agents. Defined Puppet Master and Puppet Agents to manage and configure nodes.
• Designed and deployed AWS solutions using E2C, S3, RDS, EBS, Elastic Load Balancer, Auto scaling groups, Opsworks.
• Optimized volumes and EC2 instances & Created multi AZ VPC instances.
• Used IAM to create new accounts, roles and groups.
• Configured S3 versioning and lifecycle policies to and backup files and archive files in Glacier.
• Deployed cloud stack using AWS OpWorks.
• Configured Elastic Load Balancers with EC2 Autoscaling groups.
• Configured and monitored distributed and multi-platform servers using Nagios.
• Supported 2000+ AWS Cloud instance's and also familiar with Amazon Cloud command line management.
• Worked on User administration setup, maintaining account, Monitor system performance using Nagios and Tivoli.
• Encrypted EBS volumes via KMS service.
• Created monitors, alarms and notifications for EC2 hosts using Cloudwatch.
• Set up Elasticache using memcached.
• Migrated applications to the AWS cloud.
• Provided stable build environments for product development.
• Actively involved in architecture of DevOps platform and cloud solutions.
• Developed installer scripts using Ant, Python, and UNIX for various products to be hosted on Application Servers.
• Used chef for server provisioning and infrastructure automation in different environments.
• Set up CI (Continuous Integration) for major releases in Jenkins and TeamCity.

• Integration of Automated Build with Deployment Pipeline. Currently installed Chef Server and clients to pick up the Build from Jenkins repository and deploy in target environments (Integration, QA, and Production).
• Implemented and building tools such as Ant/Maven in order to automate and enhance the overall operational environment.
• Worked on Cloud automation using AWS Cloud Formation templates.
• Implemented Chef Recipes 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.
• Implemented scheduled downtime for non-prod servers for optimizing AWS pricing.
• Integrated various provisioning and monitoring modules into a single platform using Jenkins/Hudson CI tools.
• Maintaining a farm of EC2 instances, ELB's and RDS.
• Troubleshooted issues along the CI/CD pipelines.
• Evaluated testing of Chef Recipes - Concept of Test Driven Development for Infrastructure as a Code.
• Implemented Chef Cookbooks for OS component configuration to keep AWS server's template minimal.
• Written Chef Cookbooks for various DB configurations to modularize and optimize end product configuration.
• Developed Custom Scripts to monitor repositories, Server storage.

AWS DevOps Engineer
Kenexa Technologies PVT LTD - March 2010 to March 2013

Key Deliverables:
• Technical point of contact to align processes and tools, such as branching, source control structure, dependency management, Linux\Windows hybrid build infrastructure, code review, and check-in policies, that are developed and instrumented by DevOps teams across projects globally.
• Designing and implementing CI (Continuous Integration) system: configuring Jenkins servers, Jenkins nodes, creating required scripts (Perl & Python), and creating/configuring VMs (Windows/Linux).
• Migrating and maintaining build and test environments into the Cloud Infrastructure.
• Providing CM and Build support for different applications built and deployed to lower and higher environments. Defined and Implemented CM and Release Management Processes, Policies and Procedure.
• Automated the release pipeline to achieve zero touch deployments using Jenkins, SVN, Nexus, Nolio. Created deployment workflows in Nolio, which includes prerelease, release and Post release steps.
• Coordinate/assist developers with establishing and applying appropriate branching, labeling/naming conventions using Subversion (SVN) and Git source control.
• Analyze and resolve conflicts related to merging of source code for SVN and Git.
• Implement, maintain and support reliable, timely and reproducible builds for project teams.
• Maintained build related scripts developed in shell for Maven builds. Created and modified build configuration files including POM.xml.
• Primarily used Ruby to write GIT applications and chef Recipes.
• Used Maven dependency management system to deploy snapshot and release artifacts to Nexus to share artifacts across projects and environments.
• Configured and maintained Hudson to implement the CI process and integrated the tool with Ant and Maven to schedule the builds. Took the sole responsibility to maintain the CI Hudson server.
• Worked with development/testing, deployment, systems/infrastructure and project teams to ensure continuous operation of build and test systems.
• Managed Git repository, code merging, and production deployments.
• Supported 1500+ AWS Cloud instance's and used AWS command line Interface to manage and configure various AWS products. Wrote automation scripts in Ruby and bash.
• Designed highly available, cost effective and fault tolerant systems using multiple EC2 instances, Auto Scaling, Elastic Load Balance and AMIs.
• Utilize EBS to store persistent data and mitigate failure by using snapshots.

• Designed AWSCloudFormation templates to create custom sized VPC, subnets, NAT to ensure successful deployment of Web applications and database templates.
• Designed roles and groups for users and resources using AWSIdentity Access Management (IAM) and also managed network security using Security Groups, and IAM.
• Provide highly durable and available data by using S3 data store, versioning, lifecycle policies, and create AMIs for mission critical production servers for backup.
• Utilized CloudWatch to monitor resources such as EC2, CPU memory, Amazon RDS DB services, DynamoDB tables, EBS volumes; to set alarms for notification or automated actions; and to monitor logs for a better understanding and operation of the system.
• Utilize AmazonGlacier for archiving data.
• Used Chef to configure and manage infrastructure. Wrote cookbooks to automate the configuration setups.
• Installation of Oracle on Linux and Solaris, creating database, creating Oracle users etc.

EDUCATION

Bachelor of Technology in Computer Science
JNTU - Ashburn, VA
May 2015 to Present

ADDITIONAL INFORMATION

• Over 6 years of experience in Linux Administration, Configuration Management, Continuous Integration, Continuous Deployment, Release Management and Cloud Implementations.
• Highly motivated and committed DevOps Engineer experienced in Automating, Configuring and deploying instances on AWS, Azure and Rackspace cloud environments and Data centers, also familiar with EC2, Cloud watch, Elastic Search and managing security groups on AWS.
• Expert level knowledge on Amazon EC2 and Amazon SC3.
• Experience in running web scale services on Amazon Web Services(AWS)
• Experience in using bug tracking systems like JIRA and Remedy.
• Experience in installing, configuration and administering of DHCP, DNS, FTP and LVM.
• Over 2+ year of experience in using configuration management tools like Puppet/ Chef/AWS.
• Installed and configured an automated tool Puppet that included the installation and configuration of the Puppet master, agent nodes and an admin control workstation.
• In-depth understanding of the principles and best practices of Software Configuration Management (SCM).
• Excellent experience in documenting and automating the build and release process.
• Production experience in large environments using configuration management tools like Chef and Puppet supporting Chef Environment with 500+ servers and involved in developing manifests. Developed ChefCookbooks to manage systems configuration.
• Experience in monitoring System/Application Logs of server using Splunk to detect Prod issues.
• Experienced in Administration of Production, Development and Test environment's carrying Windows, Ubuntu, Red Hat Linux, SUSE Linux, Centos and Solaris servers.
• Have 1+ years of experience on Python Scripting in various projects for automating tasks.
• Has Experience in continuous integration technologies with Jenkins. Designed and created multiple deployment strategies using Continuous Integration and Continuous Development.
• Created and wrote shell scripts (ksh, Bash), Ruby, Python and PowerShell for setting up baselines, branching, merging, and automation processes across the environments using SCM tools like GIT, Subversion (SVN), Stash and TFS on Linux and windows platforms.
• Extensive experience in UNIX performance monitoring and kernel tuning and Load balancing to ensure stable performance.

• Extensively experienced in using Build Automation tools like ANT, Maven, Gradle and working knowledge on other build tools like makefile.
• Experience with Bug tracking tool like JIRA, Bugzilla.
• Established capabilities in application design, implementation, troubleshooting, monitoring, continuous improvement and change controls. Enhances and automates internal processes to generate efficiency.
• Proficient in tracing complex build problems, release issues and environment issues in a multi-component environment.
• Coordinated different teams across the globe to deploy different builds to different environments on parallel development for multiple projects.

TECHINICAL SKILLS
DevOps Tools Chef, Puppet, Ansible, Jenkins, Vagrant, Docker and Splunk
Cloud Platforms OpenStack, AWS, Microsoft Azure and Rackspace
Operating Systems Sun Solaris 11, 10, 9, 8, 7, Red Hat Linux 3.x, 4.x, 5.x,6.x, SUSE […] Ubuntu, OEL, CentOS, Windows […]
Network Protocols SMTP, SNMP, ICMP, TCP/IP, FTP, TELNET, UDP, and RIP, iSCSI, Fibre Channel.
Software and Tools VERITAS Volume Manager 3.x/4.x,WinSCP, FTP, SSL, VERITAS Cluster Services, Cisco CNR, Send mail.
Backup Management VERITAS Netback up 4.x/5.x/6.x, Solstice Disk Suite, tar, dd, cpio
Web/Application Servers Tomcat, Apache, Maven.
Database Oracle,DB2.
Languages C/C++, HTML, Shell Scripting, Perl , Python, Ruby