Vipin Kumar Gupta                           Tel: 9560904333

DevOps/Build Release/Automation EngineerEmail: vipinkumargupta@gmail.com

PROFESSIONAL SUMMARY

* Extensive experience in DevOps Configuration, Build, Release Management and Continuous Integration, Deployment, Automation, Cloud Management and Windows/Linux administration.
* Infrastrcure as a code using ARM, Terraform and Cloud formation templates, Developed ARM / AWS Cloud Formation templates to create custom sized VPC, subnets, NAT, VM’s , LB, SecurityGroups.
* Designing high availability applications on AWS / Azure Cloud Platform.
* Designing AutoScale environment for critical apps on AWS / Azure Cloud Platform.
* Experience in writing Jenkins Pipeline groovy, PowerShell scripts for Continuous Integration and build workflows.
* Experience of using DSL Groovy Scripts which helps to create Jenkins Jobs similar to DEV environment in PROD during deployment
* Experience implementing CI/CD for .Net Environment using Azure Devops, TeamCity & Octopus on Windows Servers.
* Troubleshoot the automation of Installing and configuring .NET and C# applications in the test and production environments. Good Understanding of MSBUILD Targets in TFS Build.
* Expertise in using build tools like MAVEN, MSBUILD and Gradle for the building of deployable artifacts such as MSI, war & ear from source code.
* Experience creating Projects and Repositories in GitHub to host source code developed by Development Team as well as configuration files and Scripts maintained by Configuration Management Team.
* Experience is using Microsoft IIS, Tomcat, JBOSS, Tomcat Application servers for deployment.
* Hands-on experience on Ansible and Ansible Semaphore as Configuration management tool, to automate repetitive tasks, quickly deploys critical applications, and proactively manages change.
* Experience in working on source control management tools like GIT (GitHub), Subversion (SVN) and creating GIT repositories with specified branching strategies.
* Experience in Designing, Installing and Implementing Ansible configuration management system and in writing playbooks for Ansible and deploying applications.
* Familiar with designing and deploying container-based production clusters using Docker.
* Experienced with Docker container service. Creating Docker files, Docker Images & Containers.
* Experience with container based deployments using Docker, working with Docker images, Docker hub and Docker registries, installation and configuring Kubernetes and clustering them.
* Expertise in AWS Resources like EC2, S3, EBS, VPC, ELB, AMI, SNS, RDS, IAM, Route 53, Auto scaling, Cloud Formation, Cloud Watch, Security Groups.
* Experience in optimizing volumes, EC2 instances and created multiple VPC instances and created alarms and notifications for EC2 instances using Cloud Watch.
* Expertise in terraform for building, changing and versioning infrastructure.
* Expertise designing and building custom AWS and Azure VM image by using Packer.
* Experience implementing and maintained the monitoring and alerting of corporate servers/storage using AWS Cloud Watch.
* Experience Deploying Microservices in Docker Containers using the Docker Images pushed to Docker Trusted Repository built by using Docker File.
* Secure Key management by hashicorp vault.
* Application monitoring with Appdynamics and Azure insight.
* Logs analysis with ELK stack.
* Provided 24X7 support on the production servers on a rotation basis and was involved in creating documentation.
* Good understanding of Software Development Life Cycle(SDLC) like Agile, Waterfall Methodologies.

TECHNICAL SKILLS:

Cloud Technologies: AWS, Azure, Openstack,PCF and OpenShift

CM & CI Tool: Ansible, Jenkins/TeamCity/Octopus/Azure Devops

Version Control Tool:  Git, GitHub

Build Mgmt Tool: Maven,Gradle,MSbuild

Containerization Tool:  Docker

Container Management tool: Docker Swarm, Kubernetes

Monitoring Tool: Appdynamics,ELK Stack

SOA/Web Services: SOAP, REST, Micro Services Architecture

Application Servers: Nginx, Tomcat Apache,IIS

Scripting Languages: PowerShell,Bash Shell Scripting

WORK EXPERIENCES:

HCL Technologies Aug 2014 - till Date

Role: Web Solutions / Devops-Cloud Engineer

Responsibilities:

Mr. Vipin Kumar Gupta is working as Middleware Track lead / Cloud – Devops Solution engineer in NBC Universal where he is designing strategic Digital B2B and B2C application, platform and infrastructure system. The project involves infrastructure implementing, supporting, fine tuning and troubleshooting NBC Universal’s critical on-air infrastructure, consisting of more than 500 web applications. The environment is spread across the North American East and the West coast, the engineering and project Management teams are operated out of New York, New Jersey, Los Angeles and offshore centers.

Designing and deploying .NET and .JAVA based application on PCF, maintaining blue green deployment for critical apps. Involve and participating to NBCU cloud plan strategies to migrate .NET / .JAVA based applications on AWS, GC, Azure and others.

Manage and provide 24 X 7 supports on IIS, Apache, Tomcat and Jboss platform for NBCU’s business including NBC, Bravo, Oxygen, Telemundo, Golfnow and Others.

Designing, Implementation Web Applications on IIS (Internet Information Service) environment including SQL server backhand, Music & Video download servers, Network load balancer and to build Disaster Recovery environment by duplicating the web application & Database server farms to provide high availability solution.

Involve and participating to NBCU containerization strategies to build applications on Dockers and Kubernetes for .NET, .JAVA and DB platform.

Making strategy plan for configuration management tool like Ansible, Chef and Puppet to develop Devops culture.

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Designing and deploying POC on new cutting-edge technology like Openstack, Chef, Puppet, Ansible, Dockers, Kubernetes, Jenkins, GitHub, Maven, Junit and other Devops tools for HCL practices team, provide training to HCL and NBCU resources.

Build, configure and support customized IIS (Internet Information Service) Web Servers for NBCU infrastructure which includes ASP.NET, .NET Extensibility, ASP, CPG, ISAPI Extensions, ISAPI Filters, server-side extension, Logging Tools, ODBC Logging, Enabled Dynamic Content Compression and FTP Extensibility.

Design and Development of OPNET’s software solutions (http://www.riverbed.com) in NBCU infrastructure to capture live Network traffic and troubleshooting Network performance issue between IIS webserver and other layers.

Design and development of “Appinternals xpert management server software solutions (http://www.riverbed.com/) in NBCU infrastructure to delivers comprehensive performance management for critical web applications throughout the application lifecycle, beginning with test/QA, and continuing through deployment and operations.

Developing Automation road map to automate rhythm activities within the project to increase throughput or productivity, improve quality or increased predictability of quality, Improve Robustness (consistency), reduce manual efforts, prevent human’s error.

Build and manage the monitoring tools like “SCOM 2012, App Dynamic etc.” to detect, diagnose and resolve the network and server related issues to prevent outages. This includes predicting the Network - server performance capacity generating in turn the baseline metrics for latency, packet loss, and network availability.

Designing and Implementing System Center Operation Manager 2012 in high availability environment, includes configurations of Management Servers, Reporting Server, Web Console and Gateway servers and operating System Management Packs.

Backing up and Restoring the SQL SCOM server database, establishing a backup schedule, Using data protection Manager, Disaster Recovery planning. Management packs deployment, Sealing Management packs, Finding Management pack information, Managing Management packs

Managing and customizing Rules, locating rules and monitoring in the operation console, Overrides rules, Maintenance Mode in operation Manager, Adding knowledge. Monitoring .NET & JEE applications, Network Monitoring, Distributed application monitoring, client based monitoring.

Discovering, deploying and managing SCOM agent on Windows, Linux, Storage and Network Devices. Build-in dashboard functionality, Reports, Trending, Forecasting and capacity planning.

Review and update testing plans for application performance continuity and to collaborate with Application & Infrastructure teams. Ensure all legal and sensitive documents are secure and fault tolerant by using PCI compliance (Payment card industry compliance) standards.

Support and Manage load stress test on applications by running traffic with number of concurrent users to verify that CPU and Memory usage is acceptable under high loads on IIS Webservers.

Develop documents, SOP’s and train staff on best practices for efficient and effective Level-1 support on server, storage and network troubleshooting

Review, audit and approve change requests raised by application team with “NBCU Service IIS Management team” with the objective of avoiding and minimizing the risk of disrupting services on IIS / .NET based applications.

Handle and perform the root cause analysis of major incidents to develop a logical approach to problem solving. This includes analysis of both IIS Web server performance and application outage to establish the root cause for improving the application availability and performance. Coordinate with Software Architecture (SAD), Software Requirements Specs (SRS) and Product Profile review teams to review application needs and providing guidance on the platform and processes.

Create high-level / low-level Visio design flow documents for application management. VISIO includes application endpoints/Interface (Web service Name and Methods, database connections, mainframe connections, FTP, DNS FQDN, port etc.).

Managing IIS engineering team at offshore, controlling and maintaining SLA’s, ensuring resources availability for critical activity, evaluating teams and individual’s performance, publishing weekly and monthly dashboard, leading and controlling client’s call daily basis as well as on-demand, leading critical incidents P1 and P2 all across environment. Mapping client's requirement and coordinating developing, implementing processes in line with guidelines

Monitoring the overall functioning of processes, identifying improvement areas and implementing adequate Measure maximize customer satisfaction level.

Preparing MIS reports as per SLA with a view to apprise management of the process operations and assist in critical decision making process assessing the customer feedback, evaluating areas of improvement & providing critical feedback to the associates on improvements and achieving higher customer satisfaction matrices perform appropriate tests and provide training to upgrade product quality and standardize all artifacts interacting with managers of different areas of the organization, presenting findings to stakeholders and higher management as well as training and supervising new employees and tracking and measuring staff performance.

Create plans and provide hands-on support during emergencies, outages, and service transitions.

Ensure day-to-day operations of technology infrastructure, including networks, servers, databases, etc.

Genpact India & LLC US April 2007 -Aug 2014

Role: Track Lead of IIS Platform

Responsibilities:

Experience in Windows AD, and IIS Web Application Servers Support. Experienced in designing, architecture, implementation, and support of large scale web farm infrastructure across multiple data centers.

Deployed/Configured Web servers (IIS) and have strong knowledge in Internet Information Services (7.0/7.5 8.0) Administration. Build and configure customized IIS (Internet Information Service) Web servers for NBCU infrastructure which includes ASP.NET,.NET Extensibility, ASP,CPG, ISAPI Extensions, ISAPI Filters, Server-Side extension, Logging Tools, ODBC Logging, enabled Dynamic Content Compression, FTP Extensibility.

Configured multiple websites in IIS 7.0/7.5/8.0 using Virtual IPs, multiple ports and Host headers.

Design and development of OPNET's software solutions (http://www.riverbed.com/)

in NBCU infrastructure to capture live Network traffic and troubleshooting Network

performance issue between IIS Webserver and Database server.

Design and development of “Appinternals xpert management server software solutions (http://www.riverbed.com/) in NBCU infrastructure to delivers comprehensive performance management for critical web applications throughout the application lifecycle, beginning with test/QA, and continuing through deployment and operations.

Installed/configured SSL certificates on IIS Application servers, PKI, OPENSSL and Bank Certificate Authority.

Configured Windows Clusters, Windows NLB, H/W Load Balancers-F5. Involved in Optimization of various IIS and .Net Applications on different Windows Servers. Deployed, configured and troubleshooting runtime errors related to .Net applications on 7.0/7.5 Web Servers and Windows Server 2008/2008 R2 in Dev, QA & Pre-prod environments.

Good experience in Active Directory Services, managed roles for multiple users and user groups.

Good experience in configuring DNS, DHCP. Performing Post Build Check for Application pool groups and deployed Application configuration check on Win2008 R2 IIS Servers.

Build Check IIS Application pools and their identity running as  “Application

poollindentity” and manually creating App pool Groups and accounts and Application pools and configuring as per App teams requirement for testing.

Implemented and maintained hosted web applications utilizing 3-tier application model, with Big IP F5 load-balanced Microsoft IIS and database servers. Monitored performance of various applications of NBCuniversal through HP Sitescope, HP open view monitors and troubleshooting user related live issues through Log Parser & Splunk Tools.

Provided support for QA teams in activities such as Load testing, troubleshooting, and performance tuning. Worked with CA site Minder team to fix user Authentication/Authorization issues.

Deployment of Applications as part of RFC and change requests scheduled releases, and interdepartmental communication, issue tracking and documentation and logically closing the tickets tasks assigned to our group after implementation.

Handle and perform the root cause analysis of major incidents to develop a logical approach to problem solving. This includes analysis of both IIS web server performance and Application outages to establish the root cause for improving the application availability and performance

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Ensure effective and clear communication of Client team's requirements, expectations and feedback to the team at onshore and offshore. Extensively worked under 24X7 on call Level-3 Production Support.

Client:  Webspiders Interweb PVT LTD                Feb 2004 – March 2007

Role: Web Administrator

Responsibilities:

WebSpider Intranet (P) LTD is a customer oriented co. that provides premium services by supporting businesses and consumers from the moment they first establish an Internet Presence through the lifecycle of e-commerce activity.

I used to manage around 100 IIS based Web Servers along with Microsoft SQL servers. Daily activity involves install IIS and asp.net infrastructure, Web-hosting control panel, Microsoft SQL server 2005, Third party component, troubleshooting on IIS and ASP.NET support application.

EDUCATIONS:

MCA : Maharshi Dayanand University Rohtak (India)