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**Senior Systems Engineer**

Expertise in **AWS, Devops, Windows &Virtualization**

**PROFESSIONAL SUMMARY:**

* **Around 2 years** ofexperience in managing large scale IT management activities encompassing implementation & maintenance of large systems. My responsibility is to lead and coordinate large strategic initiatives of Amazon EC2 from conception to final completion and operation.
* Amazon Elastic Compute Cloud (EC2) is Amazon’s innovative web service that is pioneering cloud computing and utility computing by providing resizable compute capacity in the cloud.

This includes driving efforts across multiple teams locally and remotely including development and technical teams, Infrastructure, Billing, Technical Writing, Public Relations, Business Development, Marketing, Finance, Legal, and external partners, vendors, and key customers. In this capacity I am a key member of the EC2 team and drove most of the significant features that are released in this time period.

**TECHNICAL SKILLS SUMMARY:**

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| * Cloud service platform: AWS and Azure * Code repository: Github * Server Hosting & Virtualization - VMware ESX/ESXi 3.5, 4.0, 4.1,5.0 & 5.1 * VCenter 2.5,4.0 and 5.0 * VMware VCenter Converter | * Configuration management tools: Chef and puppet * Managing Domain Controller (AD Services) * Windows 2000/2003/2008 and XP &WIN7 * Administrating DHCP, DNS * Managing IT infrastructure |
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**ACADEMIC SUMMARY:**

* Completed B-Tech (EEE) under JNTUH with 62% in 2015.
* Intermediate from SR Junior College with 72% in 2011.
* SSC from New Little Flower High School with 71% in 2009.

**JOB PROFILE:**

**Company** : TCS

**Duration** : Mar’15 to till date

**Role** : System Engineer

**Responsibilities:**

**Devops:**

* Implemented Open Source configuration management tools [Puppet and Chef] for Environment provisioning automation.
* Knowledge on build automation tool like Git, Maven, provisioning infrastructure as a code
* Worked on Continuous Planning, Continuous Integration, Continuous testing, Continuous Deployment and Continuous Monitoring in DevOps.
* Manage DevOps and Infrastructure Teams supporting tools and infrastructure for 100+ developers on 2-3concurrent releases.
* Manage implementation of the company’s first repeatable, traceable, documented, and packaged product ensuring quality upon delivery.
* Implement the first release tracking and reporting providing full visibility into software releases.
* Manage re-architecture of Jenkins and integration with Confluence for release management and documentation assets. Re architect a Maven based system reducing build times.
* Manage implementation and installation of server class hardware with migration companies’ assets from desktops around the office.
* Manage hardware request and support from developers and infrastructure.
* Manage all CM tools (JIRA, Confluence, Artifactory, SVN, Maven, Jenkins, ANT, Git, GitHub, Visual Studio) and their usage / process ensuring traceability, repeatability, quality, and support.
* Re architect a legacy SVN repository from pure script dependency and no representation of releases to clear direction regarding where code resides and the difference between releases.
* Implemented a Continuous Delivery pipeline with Docker, Jenkins and GitHub and AWS AMI’s, Whenever a new github branch gets started, Jenkins, our Continuous Integration server, automatically attempts to build a new Docker container from it, The Docker container leverages Linux containers and has the AMI baked in. Converted our staging and Production environment from a handful AMI’s to a single bare metal host running Docker.

**AWS Roles:**

* + - * Provided cloud brokering services across multiple Tier 1 Cloud Providers: Microsoft Cloud (Azure), Amazon Web Services (AWS), Digital Ocean and Google Compute Cloud and foundation IaaS-only Providers: Dell, and Rackspace
      * Conducted Cloud Decision studies using Issues-based Thinking methodology to illustrate Choice Architectures with comparative analysis for IT Cost and Value
      * Prepared final recommendations in light of the corporate business plan for input to executive cloud decisions in terms of technology alternatives, cost and value dimensions e.g. subscription plan, price, quality of service (QoS), service type, technology type, elasticity, scalability, performance, flexibility, growth, and evolution plan
      * Delivered architecture designs and solutions for public, private and hybrid clouds covering the cloud architecture tiers and portfolios of cloud services
* IaaS (Infrastructure as a Service) | Storage, Network, Servers, Security
* PaaS (Platform as a Service) | Data and Web integrated solution | Identity Management
* SaaS (Software as a Service) | Computation | Business Logic | Internet Service | Web Service RESTful API
  + - * Implemented best practices for cloud architecture and development
      * Established team methodologies for systems development life cycle (SDLC), Agile, DevOps
      * Established service management for change control, high-availability, problem management, knowledge base, performance and capacity planning
      * Architected automated processes to enable of the full interaction of the evolving platform
* migrating servers, databases, and applications from on-premise to AWS, Azure and Google Cloud Platform
* cloud brokering and hybrid PaaS architecture
* migrating, servers, databases, and application from cloud to cloud and cloud to on-premise
* centralized monitoring and logging for systems running on the cloud(s) and on-premise
* data management, data protection, data encryption, and secure internet connections
  + - * Maximized solutions with use of emerging technologies to transform the business to achieve superior value and scalability with cloud technology
      * Aligned AWS, Azure, Digital Ocean and Google Cloud Platform capabilities and services with workload requirements
      * Served as technical resource and advisor for the team regarding security, performance, deployment, troubleshooting, effective testing and automation
      * Led development to enable continuous publishing of n-tier applications to the cloud
      * Designed and led development of cloud automation using DevOps methods and tools for continuous development:   
        Chef, Puppet, Jenkins continuous development, Powershell, PHP, Python, C#, Java, Javascript, and Unix/Linux scripting
      * Worked in close collaboration with the Development Teams, Product Management, Enterprise Architects, Operations, Executives and Finance teams to achieve the optimum performance low cost solution
      * Interfaced with various levels of executives, management, and technical staff of customers and Simpata teams
      * Designed and architected the Simpata enhanced cloud service for data: Simpata Data Cloud API for leveraging business partners with advanced error free data management technology and adaptable data
      * Interfaced with teams on-site and remotely with collaboration technology: Office 365, Microsoft Exchange, Outlook, Skype, Net Meeting, Unified Messaging, IBM Connections, etc.
      * Versed in multiple programming languages: Assembler, C Programming Language, C++, C#, Java, PHP, Python, Ruby, HTML, XML, CCS, AJAX, HTTP, Javascript, Javascript frameworks: jQuery, Typescript, node.js, jit compiler runtimes (.Net CLR, Java JVM), C# Rosyln Compiler service, custom domain specific languages (DSL) and Git repository
      * Managed cloud deployment migrations of Windows, UNIX, and Linux servers with standardized reusable operating system ISO images
      * Architected distributed data management solutions for
* Relational Database Management Systems (RDBMS): Sql Server, Oracle, MySql, PostgreSQL,DB2, Informix, ADABAS
* Big Data: Hadoop, Apache Spark, NoSQL,
  + - * Designed distributed platform integrating data bases, applications, web services, and content delivery networks across multiple cloud providers, geographic locations (national and international) for availability, redundancy and performance
      * Architected cloud implementation of WordPress content management system (CMS) for authoring and web publishing with a continuous deployment hybrid cloud implementation to a global content delivery networks
      * Documented a journal of Cloud Decisions and results to highlight architecture and technology decisions, business decisions, issues and challenges for a rapidly evolving and dynamic cloud platform.

**VMware Roles:**

* Installation and **Configuration VMware ESX\ESXi servers 4.0\4.1 and VCenter 4.0/5.0**
* Experienced **in creating and configuring virtual machines**
* Strong knowledge and hands-on experience with VSphere 4.0 and 4.1 including **HA**, and **DRS**.
* Creating, Deploying and **Cloning of virtual machines and Templates**
* Analyzing and troubleshooting the performance of CPU, Memory, Disk, Nic cards on VM
* Creating and managing resource pools and setting Reservations and Limits
* Configuring and troubleshooting HA and DRS for failover and load balancing
* Troubleshooting **Vmotion** and **SVmotion** related issues
* Updating the ESX server using **update manager**
* Configuring **vSwitch** & **port groups** for virtual machines.
* Troubleshooting on Virtual Machines, Virtual Center server and ESX host.
* Managing ESX **host profiles** like creating & applying to all the hosts.
* Migration Physical Servers to virtual Infrastructure **(P2V Conversion)** using **VMware Converter**
* Monitoring VMs & ESX servers (CPU, Memory, Disk, Network utilization) using **Monitor**
* Cloning of VMs(Cold or Hot) and managing through snapshots.

**Windows Administration Skills:**

* Installed and Configured Windows 2003/2008.
  + - * Knowledge in Active directory services Administration in a network.
      * Knowledge in Configuration of DNS and DHCP servers.
      * Knowledge in system administration tasks including 2003 NT backups and file restore.
      * Installing and configuring XP/windows7 at client side.
      * Installed and configured workstation and configuring it on the domain.
      * Experience in configuring and troubleshooting of TCP/IP and resolving Network related problems.
      * Knowledge in Installation and maintain network printers.
      * Protecting the workstation from virus by installing Antivirus software.

**Name:**