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Experience Summary:

**Overall 8 Years of experience and 4 years 1 month in DevOps and AWS**

Skills Overview:

- Experience on AWS, Build & Release and Linux administration.
- Experience building microservices and deploying them into Kubernetes cluster as well as Docker Swarm
- Expert in understanding Operating Systems like **Linux, UNIX, Windows**
- Managed and installed patches and software packages using **YUM** and **RPM** and creating YUM repository files for offline servers.
- Strong technical background in **Storage, Disk Management, Logical Volume Management (LVM)** and logical partitioning.
- Worked with system, **network, security** and **storage** teams to prepare and configure new servers for the environment.
- Experience in Monitored System Activities like **CPU, Memory, Disk and Swap space** usage to avoid any performance issues.
- Experience on AWS cloud services like **EC2, S3, RDS, ELB, EBS, VPC, Route53**.
- Experience in creating and maintaining **Auto scaling** groups, **IAM** user roles, policies, **EC2 Container Service (ECS)** and **Load Balancers**.
- Experience with administration, maintenance and operations of different AWS Cloud resources and management services like **Elastic Beanstalk, S3, RDS, Lambda, SQS, Cloud Front, SNS, Cloud Watch** and **Cloud formation templates**.
- Have a good knowledge about databases like **RDS, Dynamo DB**.
- Configure AWS **VPC** with public and private subnets, configured Routing tables, Internet gateway, ACL's, Security groups.
- Automated the deployments on AWS using **GitHub, Terraform, Chef** and **Jenkins**.
- Skilled at Software Development Life Cycles Agile **technologies and waterfall**.
- Automation and integrating of Version Control Systems for source code management. Worked extensively on **Git**. Maintaining branching model and security in **GitHub** with best practiced strategies.
- Experience in using Configuration Management tools like **Chef** and **Ansible**. Authored many recipes and cookbooks for node management. Wrote many manifests for different modules to be configured remotely.
- Experience in setting up of **Docker** and creating new images and getting images from Docker Hub, worked on Docker images and containers for deploying applications.
- Extensively worked on **Jenkins** for continuous integration and for End - to-End automation for all build and deployments.
- Experience in monitoring servers with NRPE plugin in **Nagios** tool. And also, Nagios helps to trigger the event handlers to send a notification and act according.
- Expert in deploying the code onto web application servers like **JBOSS/ Apache Tomcat**.
- Experience in integrating Unit Tests and Code Quality Analysis Tools like **JUnit**.

## **TECHNICAL SKILLS:**

**Operating Systems:** UNIX, LINUX, Windows.

**Languages:** C, C++, shell scripting, Python.

**Source code control tools:** GIT.

**CI Tools:** Jenkins.

**CM Tools:** Chef, Ansible.

**Container services:** Docker, Docker Swarm, Kubernetes, istio

**Cloud Technologies:** Amazon Web Services (AWS).

**Monitoring tools :** Nagios.

**Web servers :** Apache Tomcat, JBOSS.

**Databases :** SQL SERVER, MY SQL, S3, RDS.

**Testing tools :** Junit.

## **Education Details:**

- **Master of Science (M.S)** in 2012 from **Texas A & M University Kingsville, Texas (78363), USA.**
- **Bachelor of Technology (B.Tech)** in 2008 from **Acharya Nagarjuna University, Guntur, Andhra Pradesh (A.P).**
- **Intermediate** in 2004 from **Board of Intermediate, Andhra Pradesh (A.P).**
- **S.S.C (10th)** in 2002 from secondary school of education, **Andhra Pradesh (A.P).**

Details of the projects worked on:

Client Name	TrueBees Technologies
Duration of the Project	<b>Jan 2017 to till date</b>
Role	Devops Engineer
Responsibility: <ul style="list-style-type: none"><li>• Utilized Amazon <b>Route53</b> to manage <b>DNS</b> zones and also assign public DNS names to <b>elastic load balancers IP's</b>.</li><li>• Writing <b>UNIX shell scripts</b> to automate the jobs and scheduling <b>cron</b> jobs for job automation using commands with Crontab</li><li>• Wrote Ansible Playbooks with PythonSSH as the Wrapper to Manage Configurations of <b>AWS</b> Nodes and Test <b>Playbooks</b> on AWS instances using <b>Python</b></li><li>• Experience working with container, POD, Deployment, Services, Replication Controller, Replica sets, Auto-scaling, rolling update.</li><li>• Configuration and maintenance of common Linux services such as Tomcat, Apache, MySQL, NFS, FTP, Postfix, LDAP, DHCP, DNS BIND, HTTP, HTTPS, SSH, IP Tables and Firewall.</li><li>• Created and Configured <b>Red Hat, Ubuntu, CentOS</b>, Virtual Machines in AWS using <b>EC2</b>,</li><li>• Design AWS <b>Cloud Formation</b> templates to provision custom <b>VPC, Subnets, Route Tables, NAT Gateway</b></li><li>• Configured <b>SNS, SQS, RDS, DynamoDB, S3, IAM, Cloud Front and ELB</b> to setup environment ready for cloudification.</li><li>• Automated provisioning and repetitive tasks using <b>Terraform</b></li><li>• Configuring of <b>VPC</b> and <b>Route 53</b> DNS with networking of subnets containing servers.</li><li>• Creating alarms in <b>CloudWatch</b> service for monitoring the server's <b>performance, CPU Utilization, disk usage</b> etc.</li></ul>	

- Used **AWS lambda** to run servers without managing them and to trigger to run code by **S3** and **SNS**.
- Used **Jenkins pipelines** to drive all microservices builds out to the **Docker registry** and then deployed to **Kubernetes**, Created **Pods** and managed using **Kubernetes**
- Building/Maintaining **Docker** container clusters managed by **Kubernetes Linux, Bash, GIT, Docker**, on AWS.
- Utilized **Kubernetes** and **Docker** for the runtime environment of the **CI / CD** system to build, test deploy.
- Developed microservice on boarding tools leveraging **Python** and **Jenkins** allowing for easy creation and maintenance of build jobs and **Kubernetes** deploy and services.
- Experience on Deployment Automation & Containerization (**Docker, Kubernetes**)..
- Used **GIT** for source code version control and integrated with Jenkins for **CI/CD** pipeline, code quality tracking and user management with build tools Maven.
- Used ANT and MAVEN as a build tools on java projects for the development of build artifacts on the source code
- Performed Continuous Integrated delivery (CI and CD process) using **Jenkins**.
- Created and maintained **Ansible** Modules to manage configurations and automate installation process. Deployed Ansible and Ansible DB for configuration management to existing infrastructure.
- Implemented **Chef Knife** and **Cookbooks** for Deployment on internal Data Centre Servers. Also re-used and modified same **Chef Recipes** to create a Deployment directly into EC2 instances.
- Configuring the **Docker** containers by using **Docker Images**.
- Creating **Docker images** by using **docker file**
- Creating **Docker images** from **Containers**
- Having very good experience in working with **docker volumes**
- Experience in **port mapping** in Docker
- Setting up of own **docker registry**
- Configured Cloud Watch and Nagios to monitor real-time granular metrics of all the AWS Services and configured individual dashboards for each resource Agents
- **Environment** : AWS, Git, GitHub, Jenkins, Ansible, Cloud Watch, UNIX, EC2, S3, RDS, ELB, EBS, Cloud Formation, Ansible, Maven.

Client Name	<b>Shire Pharmaceuticals (PA, USA)</b>
Duration of the Project	<b>NOV' 2013 to Dec' 2015</b>
Role	Systems Engineer
Responsibility:	
<ul style="list-style-type: none"> <li>• . Preconfiguration of OS build using Task sequence editor like declaring dynamic variables with Desktop configuration and AD domain information and means to activate on network and including packages, Updates and drivers. Restaging of laptops during build process</li> <li>• Migration of os from xp to windows 7 using USMT and windows WET tool.</li> <li>• Created Packages Using Adminstudio. Created Virtual Packages using <b>Microsoft App-V Sequences 4.6 and APP V 5.0</b></li> <li>• Created Packaging template to facilitate the process and best practices using AdminStudio 2010</li> <li>• Created Regional Collections For Europe, Asia, North America And Latin America.</li> <li>• Working on <b>SCCM 2007&amp; SCCM 2012</b> to deploy the Packages to 6500 PCs World Wide.</li> </ul>	

- Used Procmon, SMS Trace, Window Debugging tool to trouble shoot the errors.
- Created Packages for Window 7 using APP-V and AdminStudio and testing them.
- Deployed Packages to windows 7 Using SCCM 2012
- Remediated SCCM 2007 and SCCM 2012 Client Issues Working on **APPDNA** tool to Aptitude Report for on Application Compatibility Testing. Like Win-7, 64 –Bit, Application Virtualization, Windows Server 2008 R2.
- Repackaged legacy application to windows Installer application using AdminStudio **2010**.
- Created Transforms using Tuner and Orca to Customize the Vendor MSI.
- Creating A UAT environment to Test the application on a Bare Metal system.
- Setup and created user accounts and groups using Active Directory.
- Experience in Sequencing and publishing applications, and working on OSD, SPRJ, SFT and XML files.
- Used Admin-studio APP-V launcher to test the Virtual packages on a Client Machine after Installed APP-V Client before Deploying through SCCM 2007.
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Client Name	<b>Applied Materials (Austin, TX, USA)</b>
Duration of the Project	<b>Mar' 2013 to oct' 2013</b>
Role	Systems Engineer
Responsibility:	
<ul style="list-style-type: none"> <li>• Created Packages Using AdminStudioInstallShield 11. Created Virtual Packages using Microsoft App-V Sequences 5.0.Created Packaging template to facilitate the process and best practices using AdminStudio 11.5Created pre-installation scripts and post-installation scripts.</li> <li>• Created Script Packages and applications with Using In-house Tool RSIO and Deployed For Users during User Testing to Field testers collection and To UAT Collection during UAT testing and Initiated UAT notification through Lotus notes and Coordinated UAT testing and Prepared Release Plan for Production Release and created CRQs In remedy and Sent To change advisory board for approval and after approval applications are released to production.</li> <li>• Created XenApp application Packages and Distributed to Users with Citrix XenApp Connector in SCCM 2012 Who Use Citrix Online Plugin and Citrix Receiver. Implemented and Maintained XenApp farms and Used XenApp 6.5 Farms to distribute Packages to global Environment</li> <li>• Creating Packaging request forms and Reviewing packaging requirements with application owners by conducting discovery meeting and Developing Packages and Creating SCCM Packages and Applications in SCCM 2007 and SCCM 2012.</li> <li>• Advertised Applications through RAP in SCCM 2007.Created change management tickets In remedy and service now for approval purpose.</li> <li>• Created USMT 4 Package and Distributed USMT Package to distribution point. Worked On dynamic suite composition for creating middleware secondary packages.</li> <li>• Integrating MDT 2007 to SCCM 2007 server. Working on SCCM 2012 to deploy the Packages both the Windows Installer Package and Virtual Package.</li> <li>• Troubleshooting packages in APP-V sequencer and adminstudio basically MSI.</li> <li>• USED VBscripts for configuring post install configuration. UsedProcess Monitor,ccmtrace, Window Debugging tool to trouble shoot the errors.</li> <li>• Created Packages for Window 7 using APP-V and AdminStudio and testing them.</li> </ul>	

- Working on ACT tool to Aptitude Report for on Application Compatibility Testing. Like Win-7, 64 –Bit, Application Virtualization, Windows Server 2008 R2. Repackaged legacy application to windows Installer application using AdminStudio 11.
- Created Transforms using Tuner and Orca to Customize the Vendor MSI.
- Setup and created user accounts and groups using Active Directory.
- Experience in Sequencing and publishing applications, and working on OSD, SPRJ, SFT and XML files.
- Used Adminstudio APP-V launcher to test the Virtual packages on a Client Machine after Installed APP-V Client before Deploying through SCCM 2007.
- Troubleshooting packages using Filemon, Regmon, Processmon

Client Name	<b>American Express (Phoenix, AZ, USA)</b>
Duration of the Project	<b>Aug' 2012 to feb' 2013</b>
Role	Systems Engineer
Responsibility: <ul style="list-style-type: none"> <li>• Created Packages Using AdminStudioInstallShield 11. Created Virtual Packages using Microsoft App-V Sequences 5.0.Created pre-installation scripts and post-installation scripts</li> <li>• Captured Windows 7 WIM IMAGE on Reference Computer deploying to distribution point.</li> <li>• Created global security group in AD and assigned AD security group to custom Role.</li> <li>• Worked On dynamic suite composition for creating middleware secondary packages.</li> <li>• Integrating MDT 2007 to SCCM 2007 server.Working on SCCM 2012 to deploy the Packages both the Windows Installer Package and Virtual Package.</li> <li>• Troubleshooting packages in APP-V sequencer and adminstudio basically MSI.UsedVBscripts for configuring post install configuration. UsedProcmon, SMS Trace, Window Debugging tool to trouble shoot the errors.Created Packages for Window 7 using APP-V and AdminStudio and testing them.</li> <li>• Working on ACT tool to Aptitude Report for on Application Compatibility Testing. Like Win-7, 64 –Bit, Application Virtualization, Windows Server 2008 R2. Used Thin app,USMT, Xen Desktop for Windows XP 32 bit to Windows 7 64 bit migration.</li> <li>• Repackaged legacy application to windows Installer application using AdminStudio 11.Created Transforms using Tuner and Orca to Customize the Vendor MSI.</li> <li>• Creating A UAT environment to Test the application on a Bare Metal system.</li> <li>• Setup and created user accounts and groups using Active Directory. UsedAdminstudio APP-V launcher to test the Virtual packages on a Client Machine after Installed APP-V Client before Deploying through SCCM 2007.</li> </ul>	