**Gautham**

**Professional Summary:**

**Eight Years of experience in IT industry comprising of Linux Systems Administration and Software Configuration Management (SCM) . Extensive experience includes SCM, DevOps Build/Release Management, Change/Incident Management and Cloud Management.**

* Experienced in working on**DevOps/Agile** operations process and tools area (Code review, unit test automation, Build & Release automation, Environment, Service, Incident and Change Management) .
* Experience in **Linux Administration** (Installation**, Configuration, Tuning and Upgrades of Linux** (Red Hat and Oracle).
* Experience writing Shell, Python and Perl scripts to automate the deployments .
* Experience with **Linux/UNIX environments and scripting** for Build & Release automation .
* Experience using RPMs to effectively package the applications for product deployments
* Experience is using Tomcat, JBOSS, Web logic and WebSphere application servers for deployment.
* Worked on automation tools like **Puppet** and **Chef .**
* Worked on **Puppet** for the deployment of servers with custom scripts .
* Expertise in using build tools like **MAVEN and ANT** for the building of deployable artifacts such as war & ear from source code.
* Extensively worked with Version Control Systems CVS, **SVN (Subversion**), **GIT, Perforce** .
* Extensively worked with automation tools like **Hudson, Jenkins and Build Forge** to implement the End-to-End Automation .
* Extensive experience monitoring the servers using **Nagios and Cacti** .
* AWS **Cloud platform** and its features which includes EC2, VPC, EBS, AMI, SNS, RDS, EBS, Cloud Watch
* In-depth understanding of the principles and best practices of Software Configuration Management (SCM) processes, which include compiling, packaging, deploying and Application configurations.
* Application Deployments & Environment configuration using **Chef, Puppet, Salt stack**
* Administered and Implemented CI tools Hudson and Jenkins for automated builds.
* Implemented **Docker** containerization .
* Extensive knowledge of NIM, **Jumpstart, Kick start .**
* Strong knowledge **of DNS, DHCP and IP Addressing** . Installation and configuration of various services like DNS, DHCP, NFS, Send mail, **Apache Web Server,** Samba, SSH, HTTP, RPM package management. Experience in administering Active Directory and group policies .
* Ability to work closely with teams, in order to ensure high quality and timely delivery of builds and releases .
* Implemented ELK stack **(Elastic Search, LogStash and Kibana)** for log indexing.
* Understanding of **Amazon Web Services (EC2, S3, Cloud Formation, OpsWorks, etc) .**
* Strong ability to troubleshoot any issues generated while building, deploying and in production support.
* Hands- on experience in developing web applications using **Python on Linux and UNIX platform.**
* Involved in **writing Perl, python and shell scripts** for compilation and deployment process .
* Good Interpersonal Skills, team-working attitude, takes initiatives and very proactive in solving problems and providing best solutions.
* Good knowledge on ITIL Process and have worked on coordinating releases across the projects.

**Technical Skills:**

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| --- | --- |
| **Operating Systems** | **Linux (Red Hat 4.x,5.x, 6.x, Ubuntu), UNIX**, **WINDOWS NT/2000/2003/XP/VISTA/7,AIX, Cygwin** |
| **Version Control Tools** | **CVS, SVN, IBM Rational Clear Case, Perforce, RTC,GIT** |
| **Languages** | **C, .NET, XML, SHELL, PERL,PYTHON** |
| **Databases** | **My SQL, MS Access, Oracle 9i/10g/11g,DB2, No-SQL database(Cassandra),** |
| **Application Servers** | **WEBLOGIC, WEBSPHERE, TOMCAT** |
| **Tools** | **ANT,MAVEN, HUDSON/JENKINS, CHEF, PUPPET, BUILD FORGE, SALT STACK, DOCKER** |
| **Cloud** | **AWS EC2, VPC, EBS, AMI, SNS, RDS, EBS, Cloud Watch, VMWare.** |

**Professional Experience:**

**Client: Matterport – Sunnyvale, CA Jan 2016 to Present**

**Job Title: Devops Engineer**

Matterport is an immersive media technology company that builds 3D media solutions that power industries from real estate to entertainment, and everywhere in between. Team has built the first end-to-end media platform that allows users to easily create, modify, navigate, and build on digital representations of real places. Matterport is building our founders’ vision of creating a complete virtual model of the world that changes the way individuals and industries interact with physical spaces.

**Responsibilities:**

* Provision/Manage/Deployment **AWS** instances for entire Continuous Integration tools.
* Created Salt State files and modules to automate **Jenkins** .
* Implementing Continuous Integration for QA team using **Jenkins** and **Circle CI**
* Implementing Continuous Deployment framework using Jenkins, **C-make**
* **AWS** cloud management and **Salt Stack** automation
* Building infrastructure to QA team
* Database migration from **MySQL to PostgreSQL**
* Migrating repos from **GitHub to GHE**
* Upgraded GHE 2.4.0 to 2.6.0, 2.6.1, 2.6.2.
* Providing support for camera manufacturing team on **Jenkins, Cygwin** .
* Implementation of infrastructure for Manufacturing team.
* Created custom **Groovy scripts** for Vision team deployments.
* Integrated code quality tool **SONARQUBE** with continuous integration
* Load balanced master/slave configuration in Continuous Integration
* Continuous monitoring of all AWS instances using **Pager Duty & New Relic** .

**Technical Tools:** GIT, JENKINS, SALT STACK, AWS, EC2, RDS, PUTTY, POSTGRESQL, CONFLUENCE, JIRA, CYGWIN, NEW RELIC, DATADOG, PAGER DUTY .

**Client:** BNY Mellon – **Palo Alto, CA**

**Job Title: Devops Engineer Jan 2014 to Dec 2015**

BNY Mellon delivers expertise at each stage of the investment lifecycle. Whether you’re looking to create, trade, hold, manage, distribute or restructure investments. Provides a comprehensive range of investment services that are unrivalled in scale, precision and quality . Our services have the power to enhance transparency, maximize liquidity and mitigate risks.

**Responsibilities:**

* **Creating the automated build and deployment process for** application, re-engineering setup for better user experience, and leading up to building a continuous integration system .
* Created **puppet manifests** and modules to automate system operations .
* Implementing new projects builds framework using **Jenkins & maven** as build framework tools
* Implementing a Continuous Delivery framework using **Jenkins, Puppet, Maven & Nexus** in **Linux environment.**
* Responsible for **Database build, release and configuration .**
* Responsible for **nightly and weekly builds** for different modules.
* Responsible for Design of different release environments for new projects .
* Solid coding skills in both C / C++, Perl and **Python.**
* Configure **Logstash**, such that application logs are fed as input to the logstash system and the output is configured to point to the elastic cluster.
* **Elastic search** cluster is where we'll be storing all our application logs based on indexing.
* **Kibana** is a Web interface which will be connected withElastic search cluster and all the logs will be monitored on this interface based on the user input in Kibana.
* Manage deployment automation using **Puppet, MCollective,** Hiera, Custom Puppet modules, Ruby.
* AWS Cloud management and **Puppet automation .**
* Redesigned and redeployed the **Nagios implementation**. Nodes automatically added/removed themselves **via puppet.**
* Created multi AZ VPC instances
* Configured Elastic Load Balancers with EC2 Auto scaling groups
* Implemented AWS solutions using E2C, S3, RDS, EBS, Elastic Load Balancer, Auto scaling groups,
* Optimized volumes and EC2 instances .
* Used IAM to create new accounts, roles and groups .
* Migrated applications to the AWS cloud
* Using Jenkins AWS Code Deploy plugin to deploy to AWS .
* Optimized **server performance**, accuracy, fail over and scale .
* Collaborated with **development team to troubleshot** and resolve issues.
* Implemented and managed framework for evaluating application performance.
* Tested and implemented applications built using **Python**
* Skilled in developing applications in **Python language** for multiple platforms
* Experience in implementing a distributed messaging queue and streaming process using Apache kafka and Storm.
* Perform **Deployment** of Release to various **QA & UAT in Linux environments**.
* Scripting in multiple languages on UNIX, LINUX and Windows **– Batch, Shell**, **Perl** script etc.,
* Work with different team members for **automation** of Release components.
* Resolved system issues and inconsistencies in coordination with quality assurance and engineering teams.
* Managing Monitoring solution using **Nagios** Environment .
* Updating monitoring parameter in **Nagios** with active and passive check .
* **Troubleshoot** the build issue during the Jenkins build process.
* Integration of Maven/Nexus, Jenkins, Urban Code Deploy with Patterns/Release, Git, Confluence, Jira and Cloud Foundry.

**Technical Tools:** GIT, JENKINS, PUPPET, MAVEN, AWS, EC2, WEBSPHERE, ANT, PUTTY, CASSANDRA, CONFLUENCE, **Java, J2ee**,**SOA,**

**Client: Victor Securities**, **Englewood, NJ Jan 2012 to Dec 2013**

**Role: DevOPS Engineer**

Victor Securities provides technology-driven brokerage solutions to professional investors including hedge funds, RIAs, CTAs and proprietary trading firms. Our clients benefit from real-time risk management tools, customizable reporting, choice of trading platforms, and a proven capital introduction program that focuses on facilitating mutually beneficial relationships between managers and investors. We provide the tools, environment, and support necessary to launch and grow your trading vehicle, while providing the necessary infrastructure to ensure operational stability of your firm.

**Responsibilities:**

* Created the Release process of the artifacts.
* Created and maintained the Shell/Perl deployment scripts for **TC Server/Tomcat** web application servers.
* Developed and implemented Software Release Management strategies for various applications according to the agile process.
* Deployment and implementation **of Chef for infrastructure** as code initiative.
* **Deployed puppet, puppet dashboard and puppet DB** for configuration management to existing infrastructure.
* Deployed **mcollective f**or orchestration. Wrote custom **mcollectiv**e plugins to deal specifically with our needs.
* Deployed **puppet f**or configuration management to existing infrastructure.
* **Developed Perl and shell scripts** for automation of the build and release process.
* Responsible for writing **Chef Cookbooks** to configure nodes also Write Opsworks Chef recipes.
* Responsible for the Plugin Management, User Management, Build/Deploy Pipeline Setup and End-End Job Setup of all the projects.
* Responsible for the development and maintenance of processes and associated scripts/tools for automated build, testing and deployment of the products to various developments.
* Installed/Configured and Managed **Nexus** Repository Manager and all the Repositories.
* Installed/Configured/Managed **Jenkins CI Automation.**
* Imported and managed multiple corporate applications into **Subversion (SVN).**
* Involved in all projects that move to production and work closely with the Data Center, Development, Quality Assurance and Management teams to ensure cross communication and confirmed approval of all production changes
* Worked on **puppet for the deployment of servers** with custom scripts.
* Designed and maintained databases using **Python**
* Support application projects and create new applications using **python**
* Written **make, Maven and Ant** build tools for application layer modules.
* Built and Deployed Java/J2EE to a web application server in an Agile continuous integration environment and automated the whole process.
* Participated in weekly release meetings with Technology stakeholders to identify and mitigate potential risks associated with the releases.
* Ability to work **with Sql queries** across multiple database and applications.
* Perform periodic system audits on all environments to ensure that only controlled versions of software reside all environment
* Managed Maven project dependencies by creating parent-child relationships between projects.
* **Jenkins** is used as a continuous integration tool for automation of daily process.
* **JIRA** is used as ticket tracking, change management and Agile/SCRUM tool.

**Environment: Subversion (SVN), Jenkins, Java/J2EE, ANT, MAVEN,** CHEF**, TC Server, Tomcat, Perl Scripts, Shell Scripts, XML, UNIX, Windows 7, Oracle, JIRA.**

SoluComp**- South Barrington, IL Oct 2010 to Dec 2011**

**LINUX Administrator**

SoluComp is a Telecommunication Products, Professional Services, Consulting and software development Organization.SoluComp was founded in 2004 to provide custom designed data communication products and software solutions for the information technology industry. We have grown and became one of the leading software and professional services companies in North America and across the globe catering Telecommunication companies as well as enterprise customers. We specialized in providing innovative solutions and consulting services to our customers.  
Our deep understanding of the Wireless Telecommunications industry has made us a choice of vendor among worlds Top Tier 1 and Local Telecommunication service providers. Our access to the current and emerging technologies, mature processes, global resources and a proven track record enabled us to provide complete solutions to our customers. We have helped customers increase their business value through cost reduction, process re-engineering and most importantly through enhancement of their revenues in existing and new markets.

**Responsibilities:**

* Installation and configuration of flavors of Linux like Red Hat Linux, Ubuntu and fedora servers.
* Installed, upgraded and configured Red Hat Linux 5.x and 6.x using kickstart installation and SUSE.
* Installed, configured and maintained DNS servers, Mail servers, FTP servers, NFS, NIS, NIS+, RPM
* Installed and Configured the Nexus repository manager for sharing the artifacts within the company.
* Worked on administration of few UNIX servers like AIX and Sun Solaris in Test and Production environment and applied patches and packages to Red Hat.
* Created Virtual server on VMWare ESX/ESXi based host and installed operating system on Guest Servers.
* Updated YUM Repositories and Red hat Package Manager (RPM).
* Created RPM packages using RPMBUILD and verifying the new build packages.
* Developed **Shell/Perl** Scripts for automation purpose.
* Developed utilities in perl, including templates and configurations for Nagios and basic system configurations.
* Monitoring and service issue resolution of **LAMP** stack web servers, both shared and VPS.
* Participated in migration cut over meetings, build and deploy Linux hardware Nodes to host several KVM templates.
* Improved monitoring with **Nagios** and custom plugins.
* Used Installing, configuring and administering **Jenkins C**I tool on Linux machines.
* Wrote customer plugins for **Nagios**.
* Involved in Research of the project application architecture to support/resolve build, compile, and test issues/problems.
* Extensive experience monitoring the servers using **Nagios.**
* Used **Jira** as ticket tracking and work flow tool.

**Environment: SVN, Shell/Perl Scripts, SCM, Jenkins, Build Forge, Maven and ANT Tomcat, Jira**

**Client: ICICI Bank, Hyderabad June 2008 to Sept 2010**

**LINUX Administrator**

ICICI is an Indian financial institution, and was its wholly-owned subsidiary. ICICI's shareholding in ICICI Bank was reduced to 46% through a public offering of shares in India in fiscal 1998, an equity offering in the form of ADRs listed on the NYSE in fiscal 2000, ICICI Bank's acquisition of Bank of Madura Limited in an all-stock amalgamation in fiscal 2001, and secondary market sales by ICICI to institutional investors in fiscal 2001 and fiscal 2002. The principal objective was to create a development financial institution for providing medium-term and long-term project financing to Indian businesses.

Responsibilities:

* Administered, maintained **Red Hat 3.0**, **4.0**, **5.0, 6.0 AS**, **ES**, Troubleshooting Hardware, Operating System Application & Network problems and performance issues; Deployed latest patches for, **Linux** and **Application servers**, Performed **Red Hat Linux Kernel Tuning**.
* Experience in implementing and configuring network services such as **HTTP, DHCP, and TFTP**.
* Install and configure **DHCP**, **DNS (BIND, MS), web (Apache, IIS), mail (SMTP, IMAP, POP3),** and file servers on Linux servers.
* Diagnosed hardware and software problems and provided solution to them.
* Worked with DBAs on installation of RDBMS database, restoration and log generation.
* Updated data in inventory management package for Software and Hardware products.
* Experienced working with Preload Assist and PICS projects.
* Create **file transfer server** for customer data exchange.
* Created users, manage user permissions, maintain User & File System quota on Redhat Linux.
* Design, build, and maintain production network **RAID** storage system.
* Automate network configuration management for all **cloud environments.**
* Prepare specs for new infrastructure and **VMware servers, disk storage**, and network switches, routers, firewalls, and VPN's.
* Administered Linux servers for several functions including managing **Apache/Tomcat** server, **mail** server, **MySQL** databases in both development and production.
* Installed Redhat Linux using Kickstart and applied security patches for hardening the server based on the company's policies.
* **Bash** shell-scripts to automate routine activities.
* Monitored trouble ticket queue to attend user and system calls.
* Migrated database applications from Windows 2000 Server to Linux server.
* Installing and setting up Oracle9i on Linux for the development team.
* **Linux kernel**, memory upgrades and swaps area. Red hat Linux **Kickstart** Installation.
* Capacity Planning, Infrastructure design and ordering systems.
* Successfully installed and configured **NAGIOS** monitoring system to monitor the production server environment.
* Attended team meetings, change control meetings to update installation progress, and for upcoming changes in environment.

**Environment:** Red Hat Linux 3.0,4.0,5.0 AS ES, HP-DL585, Oracle 9i/10g, Samba, VMware Tomcat 3.x,4.x,5.x, Apache Server 1.x,2.x, Bash.

**Education:** Bachelor's inElectrical Engineering from VIT University, Tamil Nadu, India.