**SAI RAM**

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**Professional Summary:**

Expert communicator with 8 years of experience earned towards IT environment as a System administrator, DevOps engineer with excellent command on Aws benefits of cloud computing.

* Significantlyworked on maintenance and centralized administration on Linux servers. Managed, monitored system software, hardware, network and operating system.
* Skilled experience on source code management tool repository’s using **Git Hub, SVN, Perforce, Mercurial, Helix Vcs.CVS, TFS**
* Performed various formats of executable files like **.war,.exe,.jar etc.** By using build tools like **Maven, Ant, Gradle, Apache Builder, Visual Build.**
* Experience in build and deployment the code in application servers like **Tomcat, JBoss, WebLogic, WebSphere.**
* Worked on automated process of continuous integration and continuous deployment (CI/CD) tools such as **Jenkins, Hudson, Honeypot, Bamboo.**
* Experience on Continuous inspection on code quality to Detect bugs and security vulnerabilities by using **SonarQube**.
* Detailed knowledge on implementing entire infrastructure Configuration management tools such as **Chef, Puppet, Ansible, Salt Stack.**
* Strong in creation of **docker containers** and run application on any Linux servers. Good understanding on server **virtualization**.
* Experience in creation and enhancement continuous deployment on **kubernates.**
* Demonstrated experience with shell scripting such as **python, ruby, Perl.**
* Extensive experience in cloud computing companies like **Amazon web services (AWS), Microsoft azure, IBM cloud.**
* Creating and configuring the **VPC setup in the AWS environment (Public subnet, Private Subnet, NAT gateways**
* Familiarity with the concepts of **AMI, EC2, Snapshot, IAM services, S3.**
* A broad awareness on enterprise integration and network and content delivery tools like **EBS, Message Brokers, API Gateways, VPC, route53, Lambda, Redshift.**
* I have experience with configuration management and deployment tools Chef, Jenkins, AWS OpsWorks, and AWS Cloud Formation etc.
* Deep experience on management tools like **CloudWatch, AWS Autoscaling, Cloud Formation**.
* Strong base on initialization packages and patches, maintenance and administration, configuration of **RHEL, RAID, Sun Solaris, Windows.**
* Effective Ability to listen communicate problem Solve, Multitask, Prioritize in high pressure, Team player, Self-Motivated.
* Excellent written and verbal communication skills.
* Good logical and analytical abilities.

**Technical Skills:**

**Build Tools:** Maven, Ant, Gradle, Jenkins, Hudson, Bamboo.

**Mail Servers:** Send mails, Microsoft Outlook, IBM Lotus Notes

**Containers Tools:** Docker, AWS container

**Cloud platform’s:** AWS, AZURE, Google Cloud

**Cluster Environment:** Kubernites Cluster, Mesos

**Application Servers:** Tomcat, Apache, WebLogic, WebSphere, JBoss.

**Version Control Tool:** GIT, SVN, Perforce, CVS

**Configuration Tools:** Chef, Puppet, Ansible, Vagrant.

**Scripting Language:** Perl, Bash, JSP, Shell Programming, HTML.

**Tracking & Monitoring Tools:** Nagios, RestAPI, Zabbix, Bugzilla

**Infrastructure as Services:**  EC2, LAMBDA, S3, IAM, Rackspace, AZURE

**Network Protocols/Services:** HTTP, HTTPS, TCP/IP, UDP, FTP, SSL, NIS, DHCP

**Disk Space Management Tools:** Red hat LVM, Solaris Volume Manager, ZFS, Zones.

**Virtualization Environment**: VMWare, Virtual Box

**Operating System:**  Linux (9,10,11), Sun Solaris (9,10,11), Window2003,2008

**Educational qualification:**

Bachelor of technology in Jawaharlal Nehru Technological university

**Work Experiences:**

**Sr.AWS/Devops Engineer:**

**Datto Inc**  **Norwalk,CT**  **July2016present**

**Responsibilities:**

* Efficiently worked on build and software development team including **continuous integration** (CI) **and continuous deployment** (CD)
* Involved and worked on management tools like **cloud watchcase Autoscaling, cloud formation, cloud trial.**
* Manage and improvised in infrastructure Development and operation involved in aws cloud platforms like **ec2, Lambda, AMI, Snapshots, S3.**
* I have experience in system and application installation, configuration, tuning, maintenance. Worked on AWS Environment troubleshooting and setup. I can automate the Server process using AWS Opswork.
* Worked on large environments using configuration tools like **chef, ansible, puppet** in deploying the code in 300+ system at a time.
* Maintained network and content delivery and user account by using **IAM, VPC, Cloud front, Route 53, API Gateway, direct connect, NAT subnets.**
* Maintain and build **applications** and **Database servers Rds., amazon red shift, DynamoDB’s services** in AWS Cloud.
* Creating **EC2** instances with specific **IAM roles**
* Built and launch the images like **Ami, bundle tasks,** elastic block storage like**, volumes, snapshots, lifecycle manager.**
* Worked on creating network and security group such as **Elastic ip’s, placement groups, security groups** and adding or editing inbound and out bound rules by using **VPC.**
* Familiarized in creating and using of application **load balancer in http**, https and network load balancer in tcp, classic load balancer for http, https and tcp as well as to create Target Groups
* Maintained and scheduling crontabs for app accounts and **backup management.**
* Creating build up **frameworks** using **Jenkins** and **maven** as build frame tools.
* Maintained for distributed version tools like **git, svn, perforce**.
* Worked on continuous delivery using **Jenkins, chef, and maven** in Linux environment’s **Jenkin plugins** to deploy the code to aws.
* Extensive experience in program configuration management using **Chef, Ansible, Puppet**.
* Hands on experience with creating job templates in Ansible by using **playbooks.**
* Experience reporting data virtualization tools such as **Splunk.**
* Deep knowledge on Deployed and updated various application using **Ansible tower** and generated reports in Splunk explaining the impacted hosts.
* Defined various configuration for every host and confirmed the required configuration is on the place by using **Chef**
* In depth experience to revert back the configuration if alerted using **Puppet** on the host.
* Deployed many applications on cloud with help **Chef.**
* Authorized **cookbooks** to interact with the **chef server** and nodes.
* Strong experience with docker container, container cluttering and executing various docker container.
* Strong knowledge working with docker engine, docker compose and docker swarm.
* In depth knowledge on automation of various codes and deployed using container.
* Managed and built various docker images for elastic stack components.
* Orchestrated various staging and production deployment kubernates, Docker.

**Environment tools:** Cloud platforms like (Amazon web services, Microsoft Azure etc.) ,S3, Ec2,EBS,Cloud watch , Cloud formation , IAM , Snapshot ,Route53, Terraform , Redshift , Lambda, Ansible , Chef , Puppet , Salt , Docker , Kubernates , Nagios , Tomcat , Maven , SVN , GIT HUB , Cloud deployment , Shell Scripting , Python , Bash.

**AWS/DEVOPSENGINEER:**

**Realtruck,Inc. Jan 2015 - Jul 2016** Jamestown,ND

**Role&RESPONSIBILITES:**

* Good knowledge on build and launch EC2 instance using AWS in Linux, Ubuntu Servers, Amazon Windows Server 2016 configure instance in creating the projects by using community of AMIs.
* Worked on Configure instance details in Ec2 like VPC, creating more instances, creating new subnets, IAM roles, creating monitoring by using Cloud Watch, Shutdown behaviors.
* Operation and architecture of multi-tier distributed systems involving load balancers, caching layers and real-time event processing.
* Writing user data. Created **EC2** instances and **S3 buckets** with the objects on different classes of storage (**Standard, Reduced Redundancy, Standard-infer Access**) and attached those volumes to EC2 Instances
* Familiarize with concepts of creating volumes by using EBS and creating more volumes in some instances creating the snapshots and Creating security groups and maintain of traffic in instances like Elastic IPs, Placement Groups, Key Pairs, Network interfaces and creating rules.
* Experience on creating user accounts in Identity and Access Management (IAM) like groups, policies, identity providers, Credential reports.
* Maintain the database server in Amazon Relational Database Servers worked on Oracle, Microsoft SQL Server, Amazon Aurora and Dynamo DB.
* Strong on Application load balancer With EC2 Auto Scaling Group.
* Expert in detailed knowledge on Source code management tools like GitHub, SVN, Perforce.
* Worked on Build framework tools Using Maven, Jenkins, Ant for creating new projects.
* Good in Automation build and Deploy process in Application and Re-Engineering setup greater experience for users, Continuous Integration by using Jenkins System in products.
* Better know about Continuous Delivery using Jenkins, Maven, Nexus in Aws or Linux environment.
* Expert in using Ansible to maintain Web apps, Database, user mount points, configure files, packages and worked with towers.
* Developed and documented framework for various implementations to bring changes in the **technical standards.**
* Strong knowledge on working with **chef repository** and **version source control.**
* Interacted with various nodes to perform a bootstrap operation using Chef. Build various node objects using **Chef.**
* Worked on chef for configuration management, infrastructure automation in SASS using Chef.
* Used Docker Engine to run multiple tomcat instances using application servers.
* I worked with Configuration and maintenance of monitoring and alert system.

**Environment tools:** Aws, VMware, Apache, Git , Perforce , Maven , Jenkins , Chef , Ansible , Linux , Window servers .

**Devopsengineer:** **Zenware inc**  **Jan 2013 -Dec2014** Boise,ID

**Role and responsibilities:**

* Strong Knowledge on CI systems (Jenkins)
* Worked on with revision control source code repositories (Git).
* Created repositories according the **structure required with branches, tags and trunks – in both SVN and GIT**.
* Integrating **AWS** with **Puppet and** creating Puppet **Manifests.**
* Creating and maintaining slave machines in **Jenkins** and parameterized the projects to specific environments (like Production, Test).
* Integrated **Git, Maven, and Tomcat** with continuous deliver tool **JENKINS.**
* Hands on experience in **Linux/Unix** and Systems Administration skills.
* Worked on revision control systems (Subversion, branching and merging)
* Good knowledge working with Automation Tools (Chef or Puppet)
* Strong in working with Systems & Networking teams for Server builds and Network set up and related issues.
* In Depth knowledge in Agile mode, Using tools like JIRA
* Experience with IaaS cloud platform such as AWS
* Sphereheaded in working with Various scripting languages
* Overall responsibility for the day-to-day tasks that are assigned to me, reporting or updating periodically to the client. Responsible for maintaining the Ticket log.
* Explored with the virtualization technologies (Linux, Docker, etc.)
* Monitored various systems and applications using various monitoring tools (Nagios, New Relic and etc.)

**Environment tools:** Git, GitHub, SVN, Perforce, Maven , Ant , Jenkins , CHEF , Ansible , Docker , Nagios , New Relic , Agile , JIRA , Linux , Window platform .

**Linux Administrator:**

**Allied healthcare International Inc.** Sep 2011 – May 2013

**Responsibilities:**

* Hands on experience on **Red hat Enterprise, Linux OS installation, Patch management**.
* In depth knowledge in the administrator role with Linux server and desktop operating system like **Ubuntu, Centos, Fedora.**
* Proven experience in writing and maintaining the scripts to automate the **systems** and **administration functions.**
* Strong knowledge on **backup, recovery** and **testing methodologies.**
* Detailed knowledge on Networking protocols like **TCIP, SMTP, DNS, FTP, IMAP, S SH/SCP** and ability to perform protocol analysis with **Wireshark** using **Network diagnosis tool.**
* Expert in handling **VMware** issues.
* Hands on experience in Kernel patch upgradation by **YUM** and **RPM.**
* Worked on Configured **NFS** & **Sambas** Severs & clients.
* Knowledge on **IP Bonding** and managing process.
* Worked on job related issues with Control -m agent. like restarting the agent, checking the job status on client side, and establishing to batch infra team in case any issue.
* Preparing daily & weekly status reports, shit roster.
* Finding Root Cause for unexcepted Reboots.
* Tuning the kernel parameters as per customer and vendor recommendation.
* Knowledge on storage migration from NetApp to 3APR.
* Removing entire file system and reclaiming
* Performing FSCK on filesystem.
* Changing of time zone as per requirement Raising hardware calls with vendor, raising change requests, finding RCA for servers crash issues , worked on scheduled reboots
* Managing INCs and raising HW calls with vendor.
* Preparing daily and weekly status reports, shit rosters.

**Environment tools:** Sun Solaris (8,9,10) , Linux Red hat (3,4,5) , Sun fire V240 ,V440, V490 ,V890,E2900 , E4900 , E 15k.

**Linux Admin**

**Global Logic** Dec 2009 – Jun 2011 **Roles and responsibilities:**

* Worked on Linux to achieve high availability and performance installation and Configure Services.
* Exposure knowledge on maintaining the user and group administration of creating, modifying and deleting users and groups and providing the security on user accounts and group account.
* Knowledge on Disk partitioning and mounting the files.
* Familiarize on permission on files and directories and applying the ACL permissions and special permission like sticky bit.
* Package management install stallion with rpm & yum management in red hat Linux.
* Remote login by using the SSH.
* Good knowledge on configure the LVM.
* Changing of hostnames as per requirement. Adding persistent routes.
* Performing FSCK on file system.
* Coordinating with vendor of HW related issues.