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**SAI VIGNESH CHIRUVELLA**

**Sr. Devops Engineer**

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**Profile Summary**

Overall, 10+ years of experience in **Information Technology** industry in various roles with excellent experience in **Cloud (Microsoft Azure and AWS)**, Acclaimed excellent knowledge in **DevOps**, **Software Integration**, **Configuration**, **Infrastructure Automation**, **Build and Deployment Automation, Designing, Development, Integration** of DevOps Tools, **Environment Management**, and **Cloud Migration** for several markets driven international organizations. Relevant 4 years in **LINUX System Administrator**.

* Having experience with specific focus on the build and release of quality software. Experienced in **Waterfall, Agile/Scrum** and most recently **Continuous Integration (CI) and Continuous Deployment (CD)** practices in **Azure** and **AWS** cloud services.
* Experience on DevOps tools such as **Chef, Ansible, Jenkins, Maven, GIT**, **Docker**, **Kubernetes** and **Terraform**.
* Hands-on experience in deploying and managing complex applications on **AWS & Azure** using tools like **Kubernetes**, **Docker**, and **Helm**.
* Developed and maintained With **HashiCorp Terraform**, infrastructure as code (IaC) automates the deployment and setup of infrastructure resources across various settings.
* Experience in Amazon Cloud Services and its features (**AWS EC2, VPC, EBS, AMI, snapshots, Auto scaling, Cloud Formation, Lambda, SES, SQS, SNS, RDS, ELB, EBS, Cloud Watch, S3** etc.)
* Experience in building policies for access control and user profiles using **AWS IAM, S3 controls with bucket policies**.
* Excellent knowledge of **S3 storage** strategies such as **Versioning, life cycle policies, cross region replication**.
* Configuring and managing the **Auto Scaling Groups, Elastic Load Balancers (ELB)** and **EC2 snapshots** for high availability and fault tolerance.
* Configuring notifications for various AWS services and created performance metrics using **Cloud Watch Alarms** and **SNS**.
* Implemented CI/CD pipeline using **Jenkins and Azure Pipelines** for different applications.
* **Admin Azure Cloud Services** (PaaS & IaaS), Storage, Compute, Networking, Security, Containers, Serverless, Web Apps, App Insights, Logic Apps, Azure SQL, Monitoring, OMS, Key Vault, VSO.
* Provisioned Infrastructure using **ARM templates** for **Azure Platform**.
* Used **Kubernetes** to orchestrate the deployment, scaling and management of **Docker Containers**.
* Created **Shell Scripts** for automating daily tasks and bulk copying/renaming and moving files across server.
* Created roles for the users and groups to assume the temporary access to the services like **EC2, S3, RDS and Dynamo DB** using **AWS IAM Service**.
* Experience in Setting up the build and deployment automation for **Terraform scripts** using **Jenkins**.
* Worked in all areas of **Jenkins** setting up CI for new branches, **build automation, plugin management** and securing Jenkins and setting up **master/slave configurations**.
* Configured **Azure IAM** & **Active Directory** to manage users, roles, and group privileges.
* Hands on experience on deploying applications from **on premises** databases to the **AWS cloud infrastructure.**
* Provisioned the highly available **EC2 Instances** using **Terraform** and **cloud formation** and wrote new plugins to support new functionality in **Terraform.**
* Installed **Jenkins, Maven** and created CI and CD jobs in the AWS cloud using EC2 instances.
* Experience setting up instances behind **Elastic Load Balancer** in AWS for high availability.

**Certifications**

* Microsoft Certified Azure Administrator
* Certified Kubernetes Administrator
* AWS Developer – Associate

**Academic Qualifications**

* Bachelor of Technology in Computer Science from **Osmania UNIVERSITY (**2012) – India

**Area Of Expertise Technologies**

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| --- | --- |
| **Title** | **Tools Used** |
| **Cloud Environments** | Microsoft Azure, Amazon Web Services, Google Cloud Provider |
| **Configuration Management** | Ansible, Ansible Tower, Chef, Terraform |
| **Build Tools** | ANT, Maven, Gradle, |
| **CI/CD Tools** | Jenkins, Bamboo |
| **Monitoring Tools** | Splunk, Nagios, CloudWatch, ELK, Grafana, Prometheus |
| **Container Tools** | Kubernetes, Docker |
| **Scripting/Programming Languages** | Python, Shell (PowerShell/Bash), Ruby, YAML, JSON, Groovy, JavaScript, C/C++,  Shell Scripting, |
| **Version Control Tools** | GIT, SVN. Subversion, Bit Bucket, Git Lab |
| **Operating Systems** | UNIX, Linux, Windows Server |
| **Databases** | SQL Server, MYSQL, Oracle, NoSQL, MongoDB, Dynamo DB, Cassandra |
| **Ticketing Tools** | Jira, Remedy |
| **Testing / Code Quality** | Selenium, SonarQube |
| **Web/Application Servers** | Apache Tomcat, Nginx, httpd |
| **Virtualization Tools** | Oracle Virtual Box, VMWare, vSphere, Vagrant |
| **Infrastructure as Code** | Terraform, Cloud formations |

**Organizational Experience**

**Client: State of New York, Albany , NY, USA Feb 2023 – Current**

**Role: Sr. SRE/ DevOps Engineer (Remote)**

**Responsibilities:**

* Developed **Cloud Formation** templates for manually provisioned AWS infrastructure and migrated to ITS compliance **AWS control tower**.
* Created and Deployed CI pipeline for React application which includes lint and unit test stages using **AWS Code Commit** and **AWS Code Build**.
* Migrated **PostgreSQL** databases from on-perm to **AWS RDS** instance with minimal downtime using **AWS DMS** service.
* Orchestrated and managed containerized instances of **Moodle, SQL LRS, LRS Pipe, and EDLM components (ECC, ELRR, LDSS, ECCR) using Docker and Kubernetes on AWS.**
* Utilized AWS services such as **Amazon ECS and EKS for container orchestration and scaling to ensure high availability and reliability of applications.**
* Automated the deployment process using **CI/CD pipelines (e.g., Jenkins, AWS CodePipeline) to streamline the release of updates and patches to Moodle and EDLM components.**
* Set up centralized logging with tools like **AWS CloudWatch Logs and ELK stack to gain insights into containerized application performance and troubleshoot issues proactively.**
* Implemented robust monitoring and alerting systems for **EKS clusters using tools like Prometheus, Grafana, or CloudWatch, enabling proactive identification and resolution of issues before they impact services.**
* Oversaw the seamless deployment of applications on **Elastic Kubernetes Service (EKS), optimizing performance and scalability in a containerized environment.**
* Implemented infrastructure as code methodologies **(using tools like Terraform or CloudFormation) to automate and standardize the provisioning of EKS clusters, resulting in consistent environments and reproducibility.**
* Engineered and improved **CI/CD pipelines specifically for EKS, enhancing the deployment process, reducing downtime, and accelerating the release cycle.**
* Managed and maintained the deployment pipeline for applications running on **EKS, ensuring continuous integration and deployment.**
* Proficiently managed **AWS IAM and Secrets Manager, ensuring secure access control and encryption key management for sensitive information.**
* Implemented and maintained **AWS Key Management Service (KMS) for encryption and key management across various services.**
* Proficient in working with **Lambda, EKS, Kafka, GitHub, and TeamCity, demonstrating a strong understanding and practical application of these tools in the DevOps lifecycle.**
* **Utilized New Relic Insights to create custom dashboards and charts for tracking key performance indicators (KPIs) and application metrics.**
* **Set up alerting policies in New Relic to receive real-time notifications of performance issues and bottlenecks.**
* **Implemented Dynatrace OneAgent for automated and continuous monitoring of AWS cloud resources and applications.**
* Collaborated with development teams to optimize **Java application performance and troubleshoot issues using monitoring tools like Prometheus and Grafana.**
* Expertly **harnessed Terraform for infrastructure provisioning, coupled with HashiCorp Vault and Foreman** for secure secrets management and configuration management.
* In-depth understanding of **network topologies and protocols**, including **DNS, HTTP(S), SSH, FTP, and SMTP,** ensuring reliable communication and connectivity.
* Designed and implemented CI/CD pipelines using tools like **Jenkins, AWS CodePipeline, or GitLab CI/CD** to automate the deployment of infrastructure scripts and applications.
* Integrated **Jira with CI/CD pipelines** and version control systems like **Git, linking code commits to Jira issues**, and automating issue status updates based on code changes.
* Provisioned AWS infrastructure services like **VPC, EC2**, **Auto scaling Groups**, **ELB**, **Elastic search**, **RDS**, **Lambda**, **S3**, **Cloud Watch** Event rules, **ECS**, **Cloud Front** etc., using **Cloud Formation**.
* Implemented and managed **AWS Aurora PostgreSQL database clusters**, ensuring high availability, scalability, and performance for critical applications.
* Leveraged **Amazon Athena for serverless data analytics,** enabling quick and cost-effective analysis of large datasets stored in **Amazon S3.**
* Involved in integrating **Docker** container-based test infrastructure into the **Jenkins** CI test flow and setting up a build environment integrating with **GIT** and **JIRA** to **trigger** builds using **WebHooks** and **Slave Machines.**
* Written **Ansible playbooks**, which are the entry point for **Ansible** provisioning, and in which the automation is described through tasks in YAML format to build a Continuous Delivery (CD) pipeline and execute **Ansible Scripts** to provide Development servers.
* Managed Web apps, Configuration Files, mounting points, and packages, launching Azure **Virtual Machines (VMs)** with **Ansible Playbooks**.
* Integrated **SSO** with existing authentication systems, such as **LDAP** or **Active Directory**, to ensure a unified user management approach and avoid duplicating user accounts.
* Managed and used the **GitHub Enterprise** code management repo to import and manage various corporate apps.
* **Splunk** experience includes installing, setting, and troubleshooting the software, and monitoring server application logs with **Splunk** to detect production issues.
* Collaborated closely with cross-functional teams, including development, operations, and business stakeholders, to define technical requirements and ensure **AWS solutions aligned with strategic objectives.**
* Implemented containerization strategies using **Docker and Kubernetes** to deploy and manage **ML applications,** streamlining the deployment process and ensuring consistency across environments.
* Extensively involved in infrastructure as code, execution plans, resource graph and change automation using **Terraform**.
* Proficiency in creating and managing **Jenkins** pipelines using the Jenkins DSL plugin and **Groovy** scripting.
* Wrote **Python Code** using **Ansible Python API** to Automate Cloud Deployment Process.
* Used Bash and Python included **Boto3** to supplement automation provided by **Ansible** and **Terraform** for tasks such as encrypting EBS volumes backing AMIs and scheduling **Lambda functions** for routine AWS tasks.
* Worked on data analytic tool ‘**Grafana’** for monitoring network end to end infrastructure.
* Performed AWS Cloud administration managing **SES** and **SNS** services.
* Developed **Python Modules** for **Ansible Customizations**.
* Involved in using **Terraform** migrate legacy and monolithic systems to Amazon Web Services.
* Involved in development of test environment on **Docker containers** and configuring the Docker containers using **Kubernetes.**

**Client: Illumina, Redwood City, CA, USA Apr 2021 – Feb 2023**

**Role: DevOps Engineer (Remote)**

**Responsibilities:**

* Deployed **Dynatrace agents across diverse infrastructure components, including servers, containers, and cloud services.**
* **Implemented and managed Splunk for log aggregation and monitoring of AWS infrastructure, ensuring real-time visibility into system performance.**
* **Configured and maintained New Relic APM and Infrastructure agents to monitor AWS resources and applications for optimal performance.**
* Orchestrated and managed resource provisioning utilizing **CloudFormation templates, specifically for S3, Lambda, and EKS, ensuring efficient and scalable deployments.**
* Established and maintained **CloudFormation stacks, streamlining the creation and management of AWS resources.**
* Led the implementation and maintenance of **branching, merging, and release strategies in GIT, fostering a robust and collaborative development environment.**
* Implemented monitoring and alerting solutions using **DataDog and CloudWatch, enabling real-time tracking, analysis, and proactive issue resolution.**
* Led successful migration efforts for **applications and databases, including proficiency with Amazon RDS, DynamoDB, and DocumentDB, ensuring minimal downtime and data consistency during migrations.**
* Designed and implemented **CI/CD pipelines for Java microservices, automating code builds, testing, and deployments.**
* Developed **RESTful APIs and web services using Java and Spring Framework** for seamless communication between microservices.
* Implemented Agile methodologies like **Scrum and Kanban in Jira**, enabling teams to manage sprints, backlog prioritization, and task tracking effectively.
* Implemented **Cloud Watch Dashboards** and Alarms to monitor services like RDS, EC2 and SQS.
* Designed and developed Infrastructure as Code (IaC) scripts using tools like **Terraform or AWS CloudFormation** to automate the provisioning and configuration of AWS resources, ensuring consistency and repeatability.
* Leveraged a wide range of **AWS services such as EC2, S3, RDS, VPC, IAM**, and others to build comprehensive and scalable infrastructure solutions.
* Implemented end-to-end **CI/CD pipelines for TypeScript and Java applications** using tools like **Jenkins, GitLab CI/CD, or CircleCI.**
* Designed, developed, and maintained **ETL pipelines using AWS Glue, Apache Spark, or other relevant tools to efficiently extract, transform,** and load large datasets from various sources into data warehouses.
* Designed and **deployed Amazon Redshift clusters for data warehousing, optimizing schema design,** distribution strategies, and sort keys to enhance query performance.
* Orchestrated **containers with Kubernetes, creating scalable** and resilient microservices architectures.
* Leveraged **MongoDB for efficient data storage and retrieval in DevOps workflows, contributing to scalable** and robust infrastructure management.
* Executed data migrations using **AWS Database Migration Service (DMS)**, migrating data from on-premises databases or other cloud platforms to **AWS databases.**
* Experience with container-based deployments using Docker, working with **Docker images**, **Docker Hub** and **Docker-registries** and **Kubernetes**.
* Familiarity with automation tools such as **Ansible** for managing **RPM** packages across multiple servers or environments.
* Developed and maintained custom **Helm charts** to define and package **Kubernetes** applications, making it easier to deploy and manage complex applications.
* Leveraged **Helm charts** to create reusable templates for **Kubernetes deployments**, enabling consistent and repeatable infrastructure configurations.
* Implemented automation for deployment and management of **AWS Glue** jobs using infrastructure-as-code tools such as **AWS CloudFormation and Terraform**.
* Designed and implemented monitoring and alerting solutions for **AWS Glue, MSK, and Kinesis** using AWS CloudWatch, ensuring that any issues are quickly identified and resolved.
* Used **Ansible** and **Ansible Tower** as Configuration management tool, to automate repetitive tasks, quickly deploys critical applications, and proactively manages change.
* Integrated **Helm charts with CI/CD pipelines** to automate the deployment and testing of containerized applications, ensuring consistent and reliable deployments.
* Demonstrated proficiency in containerization technologies such as **Docker and container orchestration** platforms like **Kubernetes, Amazon ECS, and AWS Fargate**.
* Configured **Kubernetes networking** using services and ingresses, and implemented security best practices, such as **RBAC, network policies, and pod security policies.**
* Designed and Implemented **CI & CD Pipelines** using **Git**, **Jenkins**, **Maven**, **ECR** and **EKS** from scratch achieving the end-to-end automation from code check into deploying docker images to **EKS clusters**.
* Configured and maintained the monitoring and alerting of production and corporate servers/storage using **Cloud Watch**.
* Managed private container registries like **Docker Hub, Amazon ECR** to store and distribute container images securely.
* Used **Ansible Playbooks** to setup Continuous Delivery Pipeline. Deployed micro services, including provisioning AWS environments using Ansible Playbooks.
* Configured **WSUS** servers, approved patches to customer environments and monitored the servers using **AWS Cloud watch monitoring service**.
* Used **Ansible** to document all infrastructures into version control.

Provisioned the highly available EC2 Instances using **Terraform** and **Ansible** **Playbooks**.

* Developed micro service on boarding tools leveraging **Python** and **Jenkins** allowing for easy creation and maintenance of build jobs and **Kubernetes** deploy and services.
* Developed **EC2** related automation scripts for infrastructure cost optimization using **python** (**boto3**).
* Developed environments of different applications on AWS by provisioning on EC2 instances using **Docker**, **Bash** and **Terraform**.
* Used **Terraform scripts** to Automate Instances for Manual Instances that were launched before.
* Managed AWS infrastructure as code using **Terraform**.
* Worked with **Open Shift** platform in managing **Docker** containers and **Kubernetes** Clusters.
* Written Chef Cookbooks for installing **Tomcat** & **Nginx** and for configuring load balancers and fail over.
* Configured **AWS Cloud Front** with **API gateways** and **Lambda** for **Front S3 static code**.

**Client: Sogeti, Dallas, TX, USA Feb 2019 – Mar 2021**

**Role: DevOps Engineer (Hybrid)**

**Responsibilities:**

* Leveraged containerization technologies such as **Docker** and **Kubernetes** to facilitate easy application deployment across **Blue and Green** environments.
* Led the architecture and implementation of highly scalable and fault-tolerant **AWS cloud solutions**, ensuring seamless business operations and improved performance.
* Utilized **AWS services such as EC2, RDS, S3, and Lambda** to create robust and elastic infrastructure that meets dynamic business demands.
* Automated **Dynatrace agent deployment and configuration using scripts**, reducing manual intervention and ensuring consistent monitoring across environments.
* Integrated **Dynatrace into CI/CD pipelines to monitor application performance** throughout the development lifecycle.
* Developed **custom scripts and plugins to extend Dynatrace** functionality and cater to specific monitoring needs.
* Successfully orchestrated the **migration of legacy on-premises applications and systems to AWS**, achieving enhanced agility, scalability, and cost savings.
* Leveraged services like **AWS Server Migration Service (SMS) and CloudEndure** to streamline and accelerate migration processes.
* Deployed **Azure Cloud services** (**PAAS** role instances) into secure **VNETS**, subnets, and built **Network Security Groups** (NSGs) to govern Inbound and Outbound access to **Network Interfaces** (NICs), **VMs**, and **Subnets**.
* Focused on using **Terraform Templates** to automate Azure **IAAS** VMs and delivering Virtual Machine Scale Sets (VMSS) in a production environment using **Terraform Modules.**
* Demonstrated expertise in **Python programming and utilization of the pyU4V library** for creating custom automation scripts, simplifying complex storage operations.
* Focused on using **Terraform Templates** to automate Azure **IAAS** VMs and delivering Virtual Machine Scale Sets (VMSS) in a production environment using **Terraform Modules**.
* Involved in creating Jenkins pipelines to drive all **microservices** builds out to the **Docker images** and stores in Docker registry and then deployed to **Kubernetes**, Created **Pods** and managed using **Kubernetes** and also performed **Jenkins** jobs for deploying using **Ansible playbooks** and **Bitbucket**.
* Conducted comprehensive architecture reviews, identifying opportunities to **optimize existing AWS deployments for improved performance, cost-effectiveness, and resilience.**
* Implemented robust security measures within **AWS environments, including Identity and Access Management (IAM), encryption,** and network security, maintaining compliance with industry regulations.
* Employed advanced monitoring tools like **CloudWatch and CloudTrail** to proactively manage the performance and cost efficiency of **AWS resources,** resulting in optimized operational efficiency.
* Demonstrated extensive experience in designing, implementing, and managing **AWS cloud solutions, ensuring reliable and highly available architectures.**
* Utilized scripting languages like **Python, PowerShell, and infrastructure-as-code tools such as CloudFormation to** automate provisioning and configuration tasks.
* Leveraged in-depth knowledge of security best practices to design and implement secure **AWS environments, integrating encryption, access controls, and threat detection mechanisms.**
* Implemented containerization technologies like **Docker and orchestrated deployments using Kubernetes, enhancing application portability and scalability.**
* Integrated DevOps practices into **AWS environments, establishing CI/CD pipelines for automated application** deployment and infrastructure updates, driving faster and more reliable releases.
* Configured and implemented storage **blobs** and Azure files - Created Storage accounts, configured the **Content Delivery Network** (CDN), custom domain, Managing access and storage access key.
* Knowledge of **PowerShell** scripting best practices and modules like **Active Directory, DNS, DHCP, and Azure.**
* Hands-on experience in designing and implementing **DNS infrastructures** for both internal and external networks.
* Experience on **Deployment Automation & Containerization** (Docker, Kubernetes).
* Container management using Docker by writing **Docker files** and set up the automated build on **Docker HUB** and installed and configured **Kubernetes**.
* Designed and implemented fully automated Server build management, monitoring and deployment by using technologies like **Ansible**.

**Client: Morningstar, Chicago, IL, USA Apr 2017 – Jan 2019**

**Role: Sr. DevOps Engineer (Onsite)**

**Responsibilities:**

* Deployed applications into the AWS cloud using **Amazon EC2, VPC (Virtual Private Cloud), IAM (Identity and Access Management), AWS S3, Glacier, Cloud Watch, Cloud Trail, and Route 53**.
* Managing the user account by assigning and minimizing the roles to the various **AWS services** through **IAM**.
* Configuring and versioning the **S3 buckets** and creating the life cycle policies to store and archive data to **Amazon Glacier**.
* Proficient in deploying and managing applications on **OpenShift**, including setting up clusters, configuring resources, and managing containerized environments.
* Skilled in container orchestration using **OpenShift**, including deploying, scaling, and managing containers using **Kubernetes**-based tools and features provided by **OpenShift**.
* Demonstrated expertise in using **RPM** to create, manage, and distribute packages for deployment in a Linux-based environment.
* Created and performed unit and integration tests using tools like test kitchen and **chef spec** (**Rspec framework**).
* Designing and creating the **cloud Formation** template to automate the process of application deployments.
* Configuring and managing the **Auto Scaling Groups, Elastic Load Balancers (ELB) and EC2 snapshots** for high availability and fault tolerance.
* Configuring notifications for various AWS services and created performance metrics using **Cloud Watch Alarms and SNS**.
* Implemented **DR tests** for critical production servers (**chef Manager, CPM tool and WSUS**) for High availability and Fault tolerance.
* Coordinate/assist developers with establishing and applying appropriate **branching, labelling/naming** conventions using **Subversion (SVN) source control**.
* Created a fully CI/CD process. Automated **Build and Deployment** Platform and coordinating code build promotions and orchestrated deployments using **Jenkins, GitHub, SVN**.
* Setting up **build server** for continuous integration with **Jenkins** for daily/nightly and weekly-based builds.
* Troubleshooting and fixing issues due to **Jenkins build failure**.
* Responsible for getting business and green zonetime approvals for **PROD release(s)** in advance by providing the **fixes/bugs** information and downtime.
* Monitoring the **load balance** metrics dashboard and **health check of PROD servers**.
* Integration with **SonarQube** for **code coverage, Selenium** for **automatic tests**.

**Client: Allstate, Chicago, IL, USA Dec 2013 – Dec 2016**

**Role: Linux System Administrator (Onsite)**

**Responsibilities:**

* Day to day duties involved **Linux server** maintenance and support to developer's team for their issue’s application, tuning, troubleshooting, and software running.
* Installed the latest patches for, **Oracle** on **Red hat Linux servers**, Configured and administered Send mail, **Samba**, **Squid servers** in **Linux** environment.
* Set up the **Linux Cron jobs** for automating various build related jobs and application data synchronization jobs.
* Experience in configuring and deploying **IP KVM** solutions for remote server management.
* Strong knowledge of **IP KVM** hardware and software, including remote console access, power cycling, and virtual media.
* Responsible for building of **Linux** OS servers using Kick-start automation application.
* Updated previous **LDAP** tools to work with version of **Ruby Rails**.
* Involved in Installing, Configuring and Upgrading of **red hat Linux AS 4/5**, **Solaris** 9/10 operating systems.
* Administered and supported distributions of **Linux**, including **Linux Enterprise** Desktop, **SUSE Linux Enterprise Server**, **Red hat** and **Solaris**.
* Install, maintain, and upgrade **Drupal** and Word press on **LAMP** **stack** and Configured **LAMP Stack** on **Unix/Linux** servers.
* Configured the **NIS**, **NIS**+ and **DNS** on **Red hat Linux 5.1**, update **NIS** maps, and organize the **RHN Satellite Servers** in combination with **RHN Proxy Server**.
* Worked on Linux Package installation using **RPM** and **YUM**, provisioned system with **LVM**.
* Developed, customized and build packages on **Solaris** and **rpms** on **Linux** for deployment on various servers through **Software Development Life Cycle**.

**Client: Logic Planet IT Services, Hyderabad, India Oct 2012 – Sep 2013**

**Role: Linux System Administrator**

**Responsibilities:**

* Worked on variety of **Linux** platforms (**Ubuntu, Red hat**) which includes installation, configuring and maintenance of applications on this environment.
* Performed Data Migration from **AIX LINUX** to **Redhat** **Linux**.
* Created **the CRON jobs** for file backups.
* Configured and Monitored **JBOSS** instances.
* Installed, configured, and updated **LDAP, DNS, DHCP, NFS, NIS+ on Red Hat Linux and IBM AIX servers**.
* Installation, configuration, and administration of **Linux** (**Red hat, CentOS**).
* Remotely copying files **using SFTP, FTP, SCP and FileZilla**.
* Wrote **UNIX shell scripts** for automated installations, to extract logs using **C**, **Bash, Perl, and Python**.
* Set up and **configure Network, switches, routers, WAN and Firewall**.
* Extensive knowledge of **Linux/Windows** based system including hardware, software, and applications.