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| **Full Name** | Manoj Lokanath |
| **Current Location** | Houston, TX |
| **Visa** | H1B - 2027 |
| **Phone No** | 469 – 908 - 1664 |
| **E-Mail** | raja@teksoftsystems.com |
| **LinkedIN** | <https://www.linkedin.com/in/manoj-l-819558284/> |
| **Total Years of Experience** | 9 Years |
| **US Experience** | 1 Year |
| **Onsite / Remote** | Yes. Can go Onsite anywhere in USA |

# SUMMARY:

A highly skilled and experienced Cloud/DevOps professional with over 9+ years in the Information Technology industry. Possessing a strong background in Linux administration, Build Engineering, and Release Management processes, with focus on implementing DevOps practices such as Continuous Development, Continuous Integration, and Continuous Deployment. Proficient in utilizing various tools including Git, Maven, Terraform, Jenkins, Ansible, Chef, Docker, Kubernetes and experienced in managing cloud services across AWS, Azure and GCP. A dedicated team player with a passion for technology and a drive to deliver high-quality results.

# TECHNICAL SKILLS:

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| --- | --- |
| Cloud Services | Amazon Web Services, Microsoft Azure, Google Cloud Platform |
| Configuration Management Tools | Puppet, Ansible, Ansible Tower, Chef, Chef Automate |
| CI/CD & Build  Tools | Jenkins, GitLab, Bamboo, Maven, Ant, Gradle |
| Container Tools | Kubernetes (K8s), Docker, Docker Swarm, Azure Kubernetes service (AKS), Google Kubernetes Engine (GKE), Elastic Kubernetes Service (EKS), Amazon Elastic Cloud Service, Azure Container Service. |
| Virtualization | VMWare, VSphere, ESXi, VMWare Workstation, Vagrant, Virtual Box, Oracle Virtual Box |
| Automation Tools | ANT, Terraform, Maven, Jenkins |
| Web Servers | Apache HTTP, Nginx, IIS, Apache Tomcat |
| Database System | MySQL, AWS RDS, Mongo DB, DynamoDB |
| Scripting languages | Python, Ruby, Bash shell, Power shell, YAML, JSON Groovy |
| Networking/Protocol | TCP/IP, DNS, NFS, ICMP, SMTP, DHCP, UDP, NIS, LAN, FTP |
| Version Control  Tools | GIT, Bitbucket, SVN, TFS, Perforce, GitHub, Stash, Subversion |
| Monitoring Tools | Nagios, Splunk, ELK, Zabbix, PagerDuty, Prometheus, CloudWatch, New Relic, Cloud Trail, Grafana |

**Education Qualification:**

* Bachelors in Telecommunication Engineering from BNM institute of Technology (VTU University) 2015.

# WORK EXPERIENCE:

**Mphasis, USA May 2023 to till date**

**Client - JPMC**

**Senior Devops Engineer**

**Responsibilities:**

* Responsible for setting up and building AWS infrastructure using resources such as VPC, EC2, S3, RDS, DynamoDB, IAM, EBS, Route53, SNS, SES, SQS, CloudWatch, CloudTrail, Security Groups, and Autoscaling using CloudFormation templates.
* Deployed and monitored scalable infrastructure on Amazon Web Services (AWS) using Chef configuration management tools. Created instances in AWS and migrated data from a data center.
* Designed and deployed a multitude of Cloud services on AWS stack, including EC2, Route53, S3, RDS, DynamoDB, SNS, SQS, and IAM, with a focus on high availability, fault tolerance, and auto-scaling in AWS CloudFormation.
* Developed a strategy for cloud migration and implementation of best practices using AWS services like database migration service and AWS server migration service from On-Premises to the cloud.
* Provisioned highly available EC2 instances using Terraform and CloudFormation. Wrote new Python scripts to support new functionality in Terraform.
* Worked in CloudFormation to automate AWS environment creation and deployed AWS using shell scripts (Boto3 and AWS CLI). Automated solutions using Python and shell scripting.
* Provisioned Azure Application Gateway that routes the traffic to Azure Kubernetes Service (AKS) clusters via Terraform modules.
* **Environment:** AWS, EC2, RDS, ELB (Elastic Load Balancing), S3, Cloud watch, Cloud Formation, Route53, Lambda, MAVEN, Nexus, Chef, Terraform, Jenkins CI/CD, Nagios, Jira, SHELL, Python, VPC, Autoscaling, Apache, JBoss, Nginx, Tomcat, GIT, Docker, Kubernetes, Service now, Cassandra, Kafka, Blue/green deployment.

**NTT DATA, India Feb 2020 to March 2023**

**Client - Netapp**

**Cloud/DevOps Engineer**

**Responsibilities:**

* Worked with AWS services including S3, RDS, EBS, Elastic Load Balancer, and Auto Scaling groups, EC2 instances with optimized volumes, and achieved cloud automation and deployments using Chef, Python, and AWS CloudFormation templates.
* Utilized AWS CLI and AWS API to manage resources on AWS for many services such as EC2, S3, VPC, CloudWatch, ELB, and Auto Scaling. Created Python scripts using AWS API calls to manage all resources deployed on AWS.
* Configured AWS IAM and Security Groups in Public and Private Subnets in VPC. Managed IAM accounts (with MFA) and IAM policies to meet security audit and compliance requirements.
* Utilized Terraform as infrastructure as code for execution plans, resource graph, and change automation. Managed AWS infrastructure as code using Terraform.
* Created private cloud using Kubernetes that supports DEV, TEST, and PROD environments.
* Implemented a production-ready, load-balanced, highly available, fault-tolerant, and auto-scaling Kubernetes.
* Kubernetes. Created Pods and managed them using Kubernetes
* Created inventory in Ansible for automating continuous deployment and wrote playbooks using YAML scripting.
* Written Terraform templates and pushed them onto Chef for configuring EC2 Instances, solved Gateway time issue on ELB, and moved all the logs to S3 Bucket using Terraform.
* Used ELK stack to monitor logs for detailed analysis, worked on dashboarding using Elastic, Logstash & Kibana
* Created Docker container, exposed and published ports to the specified host/container by mapping it first to the port, built both TCP and UDP ports, and established a secure network using docker network connect command.
* Worked on Kubernetes to orchestrate deployment, scaling, clustering, and management of containerized applications as Pods.
* Used Kubernetes charts using Helm and created reproducible builds of Kubernetes applications.
* **Environment:** AWS, AZURE, Chef, Docker, Ansible, Jenkins, Terraform, Kubernetes, ANT, Maven, Ruby, Shell, Python, WebLogic Server, Load Balancers, WLST, Apache Tomcat, Virtualization, Configured plug-ins for Apache HTTP server, Nginx, LDAP, JDK, XML, GitHub, Nagios, Splunk.

**Sutherland Global Services, India April 2019 to Feb 2020**

**Client (Netapp, Bank of America)**

**Devops Engineer**

* Written Terraform templates and pushed them onto Chef for configuring EC2 Instances, solved Gateway time issue on ELB, and moved all the logs to S3 Bucket using Terraform.
* Used ELK stack to monitor logs for detailed analysis, worked on dashboarding using Elastic, Logstash & Kibana
* Used AWS CloudTrail to track user activity, compliance, operational auditing, and risk auditing of AWS accounts.
* Created Docker container, exposed and published ports to the specified host/container by mapping it first to the port, built both TCP and UDP ports, and established a secure network using docker network connect command.
* Worked on Kubernetes to orchestrate deployment, scaling, clustering, and management of containerized applications as Pods.
* Responsible for setting up and building AWS infrastructure using resources such as VPC, EC2, S3, RDS, DynamoDB, IAM, EBS, Route53, SNS, SES, SQS, CloudWatch, CloudTrail, Security Groups, and Autoscaling using CloudFormation templates.
* Deployed and monitored scalable infrastructure on Amazon Web Services (AWS) using Chef configuration management tools. Created instances in AWS and migrated data from a data center.
* Designed and deployed a multitude of Cloud services on AWS stack, including EC2, Route53, S3, RDS, DynamoDB, SNS, SQS, and IAM, with a focus on high availability, fault tolerance, and auto-scaling in AWS CloudFormation.
* Developed a strategy for cloud migration and implementation of best practices using AWS services like database migration service and AWS server migration service from On-Premises to the cloud.
* Implemented and maintained the monitoring and alerting of production and corporate servers/storage using AWS CloudWatch and Splunk. Assigned AWS elastic IP addresses to work around host or availability zone failures by quickly re-mapping the address to another running instance.
* Provisioned highly available EC2 instances using Terraform and CloudFormation. Wrote new Python scripts to support new functionality in Terraform.
* Used Kubernetes charts using Helm and created reproducible builds of Kubernetes.

**TESCO, India June 2017 to December 2018**

**Build and Release Engineer**

**Responsibilities:**

* + Responsible for installation & configuration of Jenkins to support various Java builds and Jenkins plugins to automate continuous builds and publishing Docker Images to the Nexus Repository.
  + Created artifact documents through the source code and internal deployment in Nexus repository. Implemented Disaster recovery project on AWS using various DevOps automation for CI/CD.
  + Performed the automation deployments using AWS by creating the AWS IAMs and used the code pipeline plugin to integrate Jenkins with AWS and created the EC2 instances to provide the virtual servers.
  + Installed and configured Jenkins and created parameterized jobs to kick off builds for different environments. Managed the team's source repository through GIT and continuous integration system using Jenkins.
  + Implemented a Continuous Delivery pipeline with Docker, Jenkins, and GitHub. Responsible for supporting various Java builds and Jenkins plugins to automate continuous builds and publishing Docker Images to the Nexus Repository.
  + Developed automation scripting in Python (core) using Puppet to deploy and manage Java applications across Linux servers.
  + 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 and written Maven pom.xml build script.
  + Used MAVEN as a build tool for Java projects and written Maven POM files from scratch for multimodule projects for the development of build artifacts on the source code.
  + Environment: Jenkins, Docker, Nexus, AWS, IAMs, GitHub, Python API, Maven, Linux, GIT, Puppet, Python Scripting.

**Gatik Business solutions, India June 2015 to May 2017**

**Linux Administrator**

**Responsibilities:**

* Performed Administrative and Management tasks using shell Scripts written in Bash, Python, C Shell and CRON tab in Linux to automate the various scheduled tasks.
* Installation and configuration of Linux, UNIX, SUSE & RedHat 5.x/6 using Kickstart with PXE for LAMP (Linux, Apache, MySQL and Perl/PHP).
* Worked on Linux Package installation using RPM and YUM, provisioned system with LVM.
* Troubleshooting Backup and Restore Problems Creation of LVMs on SAN using Linux utilities and troubleshooting Linux network, security-related issues, capturing packets using tools such as IP tables, firewall, and TCP wrapper and NMAP.
* Developing automated process for builds and deployments using Jenkins integrating with Sonatype Nexus.
* Deployed and configured Elasticsearch, Logstash and Kibana (ELK) for log analytics, full text search, application monitoring in integration with AWS Lambda and CloudWatch.
* Installation and configuration of ELK stack (Log Management tool) in both legacy and Docker swarm mode.
* Environment: Linux, UNIX, Microsoft Windows, LAMP, TCP/IP, DNS, NFS, NIS, SAMBA, Perl, Python, PowerShell Java, SQL, Oracle, Agile, Bash, Shell, WebLogic, Apache, Subversion.