

# RESUME

**R.VINOTH KUMAR**

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## Present Address :

8/16 Iyyanar Kovil Street,  
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Cuddalore Taluka, Pin code - 607 401.

## Personal Information:

Father Name : Ramalingam.G

Mother Name : Valarmathi.R

Date of Birth : 01.10.1989

Sex : Male

Nationality : Indian

Marital Status : Unmarried

Languages known : Tamil, English

## Academic Profile :

- **PG (VIT University) - 85%**  
**M.Sc Software Technology - (2012-2014)**  
Vellore.
- **UG (Pondicherry University) - 75%**  
**Achariya Arts & science College - (2009-2012)**  
**B.Sc – Information Technology**  
Pondicherry.
- **H.S.C (State board) - 55%**  
**St. Joseph's Hr Sec School - (2006-2007)**  
Cuddalore.
- **S.S.L.C (State board) – 50%**  
**St. Joseph's Hr Sec School - (2004-2005)**  
Cuddalore.

## Objective:

- A challenging job that utilizes my skills with a reputable company where I can make a significant contribution and build my career with your domain.

## Professional Experience:

**Current Organization :** Acusis Software India Pvt Ltd  
**Position Title :** Sr. AWS Solution Architect  
**Duration :** 12<sup>TH</sup> Mar 2014 to PRESENT  
**Job Location :** Coimbatore

## Professional Summary:

- Around 7+ years of comprehensive experience in the areas of designing, developing, Continuous Integration, Continuous Delivery, Continuous Deployment and Continuous Monitoring of Enterprise level distributed applications.
- **AWS Certified Solutions Architect - SysOps Administrator - Associate Certificate.**
- Experience in building an automated build pipeline and deployment, by implementing DevOps principles **CI, CD, CM** and **agile** and lean software development methodologies to seamlessly deliver high quality software applications to the end users at the speed of need generating value for the **company and the customers.**
- Experience in working as a **DevOps Engineer, Build & Release Engineer, System Administrator** operations process and tools area (Code review, unit test automation, Build & Release automation, SCM, Incident and Change Management).
- Conversant with all phases of **Agile Software Development Life Cycle (SDLC)** involving System Analysis, Design, Development, Testing, Implementation and Technical Support.
- Hands on experience on deploying applications from on premises databases to the **AWS cloud infrastructure.**
- Experience working with version control systems like **Subversion, GIT** and used **Source code management** tools **GitHub, GitLab, Bitbucket** including command line applications.
- Hands-on experience with Continuous Integration and Continuous deployment using the tools **Jenkins, Chef, Git, and Docker.**
- Experience in administration and maintenance of source control management systems such as **GIT and Sub Version**, created **tags and branches, fixed merge** issues and administration software repositories.
- Experience working on several Docker components like **Docker Engine, Hub, Machine**, creating **Docker images, Compose, Docker Registry** and handling **multiple images** primarily for middleware installations and domain configurations.

## Technical Proficiencies :

- **Cloud Platform:** Amazon Web Services (AWS), Microsoft Azure, OpenStack
- **Cloud Environment:** EC2, VPC, EBS, AMI, SNS, RDS, ELB, Cloud Watch, Cloud Formation AWS Config, S3, Cloud Trail, IAM, Azure, OpenStack, VMWare, auto scaling Servers, Glacier, Storage Lifecycle Rules, Elastic Beanstalk, Route 53, Data-Pipeline, EMR, Code Commit, Code Deploy, Direct Connect, Lambda, RedShift, Kinesis
- **Storage :** EMC Symmetric, Hitachi Arrays, Sun Storage D100, A500/5200, SAN, NAS
- **Version Control Tools:** GIT, Perforce, Subversion, Bit Bucket.
- **Repositories&Virtualization:**Nexus and Artifactory, VMware, Vagrant.
- **Programming Languages:** Java, Python, Unix/Linux Scripting, HTML, SQL, C#, PL/SQL, .NET, Node.js, Ruby, Power Shell Script.
- **SCM Tools:** CVS, SVN, ClearCase, GitHub,Perforce
- **Build CI/CDTools:** ANT, MAVEN, JENKINS, HUDSON, Bamboo, TeamCity, Salt.
- **Configuration Tools:** Chef, Ansible, Puppet
- **Tracking Tools:** JIRA, Remedy
- **Web/Application Servers:** IBM Web sphere, Apache Web Server, Apache Tomcat, Sun ONE Web Server & IIS Web Server, Web logic
- **Network Protocols:** TCP/IP, FTP, SMTP, SOAP, TCP/IP, HTTP/HTTPS, NDS, DHCP, NFS, Cisco Routers, LAN.
- **Monitoring Tools :** Nagios, Splunk, ELK Virtualization/ContainerVagrant, Docker, VMware
- **Containerization/ Orchestration:** Docker, Kubernetes
- Hands-on experience with **Docker Containers and Tomcat servers** for application deployment.
- Implemented a CI/CD pipeline involving **GitLab, Jenkins, Chef, Docker, and Selenium** for complete **automation** from commit to deployment.
- Hands on experience with configuring continuous integration within a development environment using tools such as **Jenkins, Puppet, Chef, Git.**
- Extensively worked with automation tools like **Jenkins**, to implement the End-to-End Automation.
- Extensively worked with **Puppet** on developing modules and **manifests** to automate infrastructure provisioning and configuration management across multiple nodes in the cluster.
- Installed and Configured Chef Enterprise and Chef Workstation hosted as well as On-Premise, Bootstrapped Nodes, Wrote **Recipes, Cookbooks** and uploaded them to Chef-server.
- Good Knowledge on **dockerized deployment** of **Prometheus** and **Grafana** that sets up Prometheus, Grafana, cAdvisor, Node Exporter, and alerting with Alert Manager.
- Experience in using build tools like **MAVEN** and **ANT** for the building of deployable artifacts such as **war, jar& ear** from **source** code.
- Experience in **configuring, monitoring, upgrading** and maintaining **IAAS**.
- Hands on experience in configuring boot process, partitioning hard drive, creating and mounting file systems/swap storage, configuring networking and software applications management in Linux/Unix.
- Experienced in manipulating and updating files in **python**.
- Expert in deploying the code through web application servers like **Apache Tomcat/WebLogic/JBOSS/IIS** application servers.
- Experience in working with Web-Development technologies like **HTML, DHTML, Java Script, CSS, XML**.
- Strong coding/scripting skills like Linux **BASH Shell, Python** to automate various jobs in the build pipeline.
- Proficient in **Python, Ruby, Perl, Bash Scripts** for on Middleware tools for deployment of Java applications.
- Hands on experience in **Deploy, Configure and maintain** compute on Azure cloud and trouble-shooted Azure cloud related issues.
- Experience in AWS Cloud platform and its features which includes **EC2, S3, Auto Scaling, Route53, VPC, EBS, ELB, IAM, AMI, SNS, RDS, Cloud Watch**.
- Experience setting up **instances** behind **Elastic Load Balancer** in **AWS** for high availability.
- Worked extensively with different Bug tracking tools like **JIRA, Remedy, HP Quality center**.
- Experienced in deploying Database Changes to **Oracle, SQL, NO SQL** and **MYSQL** databases.
- Involved in migration of applications with experience of installing, configuring and administrating.

- **Build Tools:** Ant, Maven, Ivanti Heat patching tool.
- **Databases:** Oracle, MySQL, SQL Server, Mongo DB, PL/SQL.
- **Cluster Services:** Red Hat Cluster Suite, VERITAS Cluster, Sun Clusters.

### Managerial Skills :

- Teamwork at all Levels.
- Leadership
- Personal Integrity
- Enthusiastic

### Skills:

- **Cloud & SaaS Platforms:** Amazon EC2, Google App Engine, Force.com, GRID & CLOUD Setup.
- J2EE Platforms such as JBoss, Tomcat, WebLogic, and some WebSphere.
- Open Source & Collaboration Platforms such as LAMP, Alfresco, SharePoint, Drupal, Facebook, WordPress, Twitter etc.
- **CISCO**Networking Certificate (**CCNA**).

### Training Attended :

- 2 Days EMC SAN Management Training for EMC Clarrion SAN.
- 4 Days Training on VMware Infrastructure for VMware vSphere install and Configure V4.
- 2 Days Training & Workshop Network Security & Challenges at Madras Institute Technology.
- Attended Corporate Program on 'Quality Measures and Metrics.

- Installed, Configured, Managed Monitoring Tools such as **Splunk, Nagios** for Resource Monitoring/Network Monitoring/Log Trace Monitoring.
- Good knowledge and hands on Experience in some **monitoring** tools like **Data log, New Relic, Cacti** etc.
- Experience automating deployments on Servers using **J Boss, Tomcat, Web Sphere**.
- Ability to work closely with teams, to ensure high quality and timely delivery of builds and releases.
- Strong ability to troubleshoot any issues generated while building, deploying and in production support.

## ***Professional Experience***

**Project Name:** Zymr,Inc. Jan 2020 To PRESENT ,Aus

**Role :** Sr. AWS Architect

**Environment:** Amazon Web Services (AWS), JW Player, Amazon EC2, Amazon EBS, Amazon Storage ServicesS3, CloudWatch, AutoScaling, Route53, IAM, Glacier, AWS opsWorks, AWS CloudFront, Chef, Java, J2ee, Oracle, WebLogic, SQL Developer, Jenkins, Nagios, Nexus, Linux

### **Responsibilities:**

- Deployment and management through AWS cloud formation on EC2 (Elastic compute cloud) instances and also maintaining amazon S3 storage.
- Optimized volumes and EC2 instances& Created multi AZVPC instances& Used IAM to create new accounts, roles and groups.
- Experience in deploying custom chef cookbooks and puppet modules, to configure the machines indifferent environments with appropriate package/services and versions.
- Configured S3 to host static web content, versioning and lifecycle policies to and backup files and archive files in Glacier.
- Proficient in using file extensions such as. DFXP & .VTT for open and play video in timed text format and media players such as JW player and Bitmovin.
- Configured chef to manage AWS environments and automate the build process for core AMIs used by all application deployments including AutoScaling, and incorporating chef on the JSON CloudFormation scripts for the configuration deployment onto the nodes.
- Wrote and maintained extensive documentation & created cookbooks using Ruby framework for configuring the infrastructure and application servers.
- Monitoring of network services (SMTP, POP3, HTTP, NNTP, ICMP, SNMP, FTP, SSH) using Nagios.
- Installed and configured Nexus to manage the artifacts in different Repositories and handling dependency management using nexus private repository.
- Configured CI, CD (Continuous integration/Deployment) pipe line for the automatic deployment of artifacts/application to the required servers or environments in Jenkins CI, and Clean for the new build process whenever code commits are done to SCM tool Git.
- Centrally managed an automated research oriented Linux environment through automation/configuration tools like Chef / Puppet
- Utilized CloudWatch to monitor resources such as EC2, CPU memory, Amazon RDS DB services, DynamoDB tables, EBS volumes; to set alarms for notification or automated actions; and to monitor logs for a better understanding and operation of the system.
- Developed and executed Shell scripts and worked on Python Scripting in different projects for automation of regular repeating tasks.

- Implemented and supported monitoring tools like Nagios, Splunk on QA and Production servers for Resource, Network and Log Trace Monitoring. Proficient in working with network protocols like TCP/IP, DNS.

**Project Name : LUMINOIR BANK, FEB 2019 TO PRESENT, US**

**Role : Sr. AWS Solution Architect**

**Environment:** AWS, Ansible, Splunk, Jmeter, Docker, Jenkins, Redhat, VMware ESXi 5.5, Python, Git, Cloud formation, PostgreSQL, Terraform

**Responsibilities:**

- Involved in Building and configuring **Red Hat Linux** Servers using Kick Start server as required for the project. Maintained maximum uptime and maximum performance capacity for enterprise production, QA, UAT/staging and also Production
- Designed and implemented scalable, secure cloud architecture based on Amazon Web Services
- Manage multiple AWS accounts with multiple VPCs for both production and non-production where primary objectives are automation, build out, integration and cost control.
- Developed a **Python** Scripts to manage few services on AWS using SDK BOTO.
- Designed high availability environment for Application servers and database servers on EC2 by using ELB and Auto-scaling.
- Used **Cloud Watch** for monitoring AWS cloud resources and the applications that deployed on AWS by creating new alarm, enable notification service.
- Extensively worked on AWS services such as **EC2, S3, SNS, SQS, IAM, Cloud Watch, Code Deploy, Cloud Front, Cloud Formation and VPC**
- Used **Cloud Formation** template for creating initial infrastructure like **IAM roles and policies, S3 buckets and bucket configurations**
- Automated the AWS resources by using **terraform**
- Worked with **Terraform** to **create stacks in AWS** from the scratch and updated the terraform as per the organizations requirement on a regular basis
- Used **Terraform in AWS** Virtual Private Cloud to automatically setup and modify settings by interfacing with control layer
- Provisioned the highly available **EC2 Instances** using **Terraform and cloud formation** and wrote **new plugins** to support new functionality in **Terraform**.
- Experienced in writing **terraform** modules for automation the Creation of **VPC-VPN** from **data center to Prod** environment and Cross account **VPC Peering**
- Created **Docker images** and handling multiple images primarily for middleware installations and domain configurations
- Worked on **Docker** container snapshots, attaching to a running container, removing images, managing Directory structures and managing containers
- Extensively worked on **Code Pipeline, Code Build, and Code Deploy** for pushing the application code it to the **EC2 instances**

- Deployed application code into QA, Staging, Preproduction and Production using **Code Deploy**
- Automated the deployment on the application servers using the "**code deploy**" plug-in for **Jenkins**
- Used **Jenkins** for continuous deployment and integration of the build and release process
- Manage deployment automation and implementing a Continuous Delivery framework for new projects using **Jenkins, Ansible, Code Deploy, Docker, and Git**
- Responsible for creating and maintaining automated builds for projects written in **java, PHP** using **Jenkins**
- Designed and Implemented **CI (Continuous Integration) system, configuring Jenkins servers, Jenkins nodes, creating required scripts (Perl, Python)**
- Experience in the design and implementation of **Continuous Integration, Continuous Delivery, Continuous Deployment (CI/CD), DevOps tool chain and DevOps processes for agile projects**
- Installed and maintained **Jenkins** for Continuous Delivery as well as automate **Ansible Playbook** runs against production infrastructure
- Wrote **Ansible Playbooks** with **Python SSH** as the Wrapper to Manage Configurations of **AWS Nodes** and **Test Playbooks** on **AWS** instances using **Python**. Run **Ansible Scripts** to provision **Dev servers**
- Instituted **Ansible** for configuration management and automation across all the environments
- Used **Packer, Ansible and Vagrant** for creating **AMI's** with required configuration for the Application
- Wrote **Jenkins** file for automating the Performance test scripts in **AWS** environment
- Used **Jmeter** for performance testing and load testing on numerous stacks and also performed testing for consistency and response time of the application that is built in **AWS** environment
- User, Group creation, monitoring and maintaining log for system **status/health** using **Linux commands and Splunk system monitor**
- Installed, tested and deployed monitoring solutions with **Splunk**
- Created and Maintained Subversion repositories, branches and tags
- Plan and execute **RPM and YUM** packages and update installations necessary for **optimal system performance**
- Assist in **LDAP server** configuration for user authentication on network
- Install and configure **Apache** and provide support on testing and production servers

**Project Name : Fortunesoft IT Innovations NOV 2016 TO DEC 2018 , UAE**

**Role : AWS Solutions Architect**

**Environment:** AWS (EC2, S3, VPC, Route53, EBS, RDS, ELB, CloudWatch, CloudFormation, AWS CLI, AWS Auto Scaling), Linux, Python, Shell scripting.

**Responsibilities:**

- Designed and implemented AWS Solutions using **EC2, S3, EBS, Elastic Load balancer (ELB), VPC, Amazon RDS, CloudFormation, Amazon SQS**, and other services of the AWS infrastructure.
- Utilized **EBS** to store repeated data and overcome failure by using Snapshots

- Created users and groups using Identity Access Management (**IAM**) and assigned individual policies to each group. Setup specific **IAM** profiles per group utilizing newly released APIs for controlling resources within AWS based on group or user.
- Responsible to create various Cloud Watch alarms that sends an Amazon Simple Notification Service (SNS) message when the alarm triggers. Created **SNS** notifications using **S3** events for object loss notifications.
- Created **S3** bucket for backups using versioning enable and moved objects to Amazon **Glacier** for archiving purpose and using Amazon **S3** for database backup regularly and save snapshots of data.
- Used the AWS-CLI to suspend an AWS **Lambda** function. Used AWS CLI to automate backups of ephemeral data-stores to S3 buckets, EBS.
- Migrated the SQL database to AWS **RDS** Multi AZs
- Installed and Setup Web Servers (Apache and Tomcat), DB Server (**MySQL**) and **MySQL** (Master and Slave) Server, Multiple **MySQL** Instance with different port.
- Created AWS **Route53** to route traffic between different regions
- Created configuration for establishing a VPN tunnel between on premise network and AWS **VPC**.
- Designed Stacks using Amazon Cloud Formation templates to launch AWS Infrastructure and resources. Developed AWS **CloudFormation** templates to create custom sized VPC, subnets, EC2 instances, ELB and security groups.
- Designed and developed automation test scripts using Python and Bash.
- Configured alarms in **CloudWatch** for monitoring the server's performance, health, CPU utilization, Memory and disk usage of AWS resources using AWS **CloudWatch**.
- Participated in configuring and monitoring distributed and multiple platform servers using **Puppet**. Using Puppet server and workstation to manage and configure nodes.

**Project Name : ICT NETWORK FEB 2015 TO JAN 2016, SYDNEY,**

**Role Sr. AWS DevOps Engineer**

**Environment:** Java/J2ee, Subversion, Maven, Selenium, Jenkins, Zabbix, GIT, SVN, Chef, cloud watch, Azure, AWS (EC2, VPC, ELB, S3, RDS, Cloud Trail and Route 53), Shell Scripting, Ruby, PUTTY, CONFLUENCE, SOA.

**Responsibilities:**

- Created the **ANT** scripts and extension of existing **ANT** scripts for deployment of applications to **HUDSON**.
- Used **ANT** and **MAVEN** as a build tools on java projects for the development of build artifacts on the source code.
- Created monitors, alarms and notifications for EC2 hosts using **Cloud Watch**.
- Responsible for build and deployment automation using **VM Ware ESX**, **Docker**, **Kubernetes** containers and **Chef**.
- Using Confluence for technical documentation, setting up a knowledge base, Setting up an intranet and Confluence for software teams.
- Install and configuration of **Dockers**.

- Research and implement new tools such as **Kubernetes** with **Docker** to assist with auto-scaling, continuous integration, rolling updates with no downtime.
- Setting up Change Management process and standardizing the policies for various applications.
- Worked in setting up the repos to various projects in **GIT**.
- Involved in migration from **SVN** to **GIT** repos and worked with **Linux sys admins** for the same.
- **Udeploy** is used for continuous integration, fast feedback and **udeploy** (urban(code)) pipeline is a multi-tool pipeline.
- Developed **Linux, UNIX, Perl** and **Shell Scripts** for manual deployment of the code to various environments.
- Monitoring - **Nagios, artifactory, Custom checks, Zabbix, App Dynamics, Splunk**.
- Hands on experience in monitoring **EC2** instances using **Nagios**.
- Configured **Nagios** to **monitor EC2** Linux instances with **puppet** automation.
- Configured and monitored distributed and multi-platform servers using **Nagios**.
- Managed the software configurations using Enterprise **Chef**.
- Setup the **Chef Workstation, Chef server** and **chef nodes**.
- Worked on **Atlanssian Tools** and bootstrapping the nodes.
- Worked in creating, uploading new **cookbooks** and recipes.
- Worked on scheduling the **Chef Nodes** convergence using **Linux Cron** jobs.
- Operations - Custom Shell scripts, Ruby scripts, **VM** and Environment management.
- Manage configuration of Web App and Deploy to **AWS cloud** server through **Chef**.
- Creating the automated build and deployment process for application and leading up to building a continuous integration system for all our products using **Jenkins**.
- Implementing a Continuous Delivery framework using **Jenkins, Chef, Maven & Nexus** in **Linux environment**.
- Responsible for Database build, release and configuration.
- Responsible for nightly and weekly builds for different modules.
- Perform Deployment of Release to, various **QA & UAT in Linux environments**.
- Implemented AWS solutions using **EC2, S3, RDS, ECS, EBS, Elastic Load Balancer, Auto scaling groups**, Optimized volumes and **EC2** instances.
- Understanding of secure-cloud configuration, (**CloudTrail, AWS Config**), cloud-security technologies (VPC, Security Groups, etc.) and cloud-permission systems (IAM).
- Configured S3 versioning and lifecycle policies to and backup files and archive files in Glacier.
- Created monitors, alarms and notifications for **EC2** hosts using **Cloud Watch**.
- Troubleshoot the build issue during the Jenkins build process.
- Setup various non-production environments for validating various applications.
- Creating the **SQL, PL/SQL** scripts (DML and DDL) in oracle database and revising them in **SVN**.
- Created multiple **Ruby, maven, Perl** and **UNIX** shell scripts for various application level tasks.

**Project Name : NUCLEUS SOFTWARE EXPORTS LTD OCT 2015 TO MAR 2017, NOIDA**

**Role : Sr. Node Js Developer**

**Environment:** Eclipse, Java, JavaScript, CSS, XML, spring, Netbeans, Angular Js, Hibernate, Node Js, Kafka, JBOSS, Spring 3.1, Tomcat, JPA, JQuery, RESTful, JSON, Junit, Nginx.

**Responsibilities:**

- Implemented load-balancing with NGINX to allow dozens of Node JS instances to handle thousands of concurrent users.
- Developed user interface using JSP with JavaBeans, JSTL and Custom Tag Libraries, JS, CSS, JQuery, Node.js, Angular Js, and HTML to speed the application.
- Developed various daily jobs using PL/SQL stored procedure to update notification status in multiple tables.
- Used Agile/ Scrum development methodology and maintained Scrum related information in Rally.
- Hands on experience on web services (SOAP, REST) and applied Agile methodologies; MVC design pattern used; accompanied with Hibernate persistence.
- Developed and performed unit testing scripts with Junit API and PowerMock API in TDD environments.
- Provided design and mentor framework integrated implementation for interactive web application development.
- Implemented the services using Spring Boot and Spring Cloud and used Spring MVC framework for building the application based on MVC design paradigm.
- Optimized Microservices using NodeJS and ES6 as interfaces to Cassandra NoSQL database.
- Developed the S park-Kafka-Producer-Consumer module and was involved in developing applications using Java and J2EE.
- Experience with Front-end JavaScript frameworks like Angular JS, Node JS. And with the creation of RESTful Web service.
- Developed backend logic with golang and open source libraries such as gin and gorm. Solved frontend issues on gitlab tracing the problem through the whole stack.
- Designed and implemented container-based polyglot microservice architecture using Docker and ActiveMQ for new application infrastructure.
- Implemented unit test cases, test suites using Junit Framework and provided technical direction with JavaScript, JQuery, and Ajax.
- Played Key role on setting up Apache web service and Deployed the application on tomcat and cPanel Application Server.
- Have work exposure on continuous Integration and continuous Delivery (CI/CD) tools such as Jenkins.
- Used Bootstrap and AngularJS, React.js and Node.js in effective web design.
- Developed the Servlets, Data Access Layer classes and retrieved data using Servlets, JDBC and harmonized data coming from different sources using Kafka to bring it to consistent format.
- Designed necessary backend Java classes to support data access and user authorization. Completed test cases using Junit.

- Implemented the Microservices using Spring Boot and Spring Cloud and used Spring MVC framework for building the application based on MVC design paradigm.
- Used Hibernate framework (ORM) to connect the application with the Database and for Entity Relational Mapping.
- Developed Data Access Layer using Spring JDBC framework and wrote SQL queries and Stored Procedures for interacting with the Oracle database.
- Developed and optimized services using NodeJS and ES6 as interfaces to Cassandra NoSQL database.
- Enabled different security authentication mechanisms across mongo instances.
- Redesigned and re-implemented services using NGINX, Node JS, Express JS, Mongo DB, and MySQL.
- Implemented contracts administrator service using Kafka, Spark and Java.
- Designed the Backend-API using mongoose with express framework. Connected to the Mongo database using Mongoose.
- Assisted in analyzing and querying multiple, complex database and systems to produce reports and database was part of production support team to resolve the production incidents.
- Documentation of common problems prior to go-live and while actively in a Production Support role.

**Project Name : CATERPILLAR INDIA, MAR 2014 TO DEC 2014, BANGALORE**

**Role : AWS Engineer**

**Environment:** AWS (EC2, Cloud Formation, ELB, S3, Route 53, Elastic Bean Stalk, SNS, SQS , **Chef** , Cloud Watch), Puppet, Maven, JSON, Jenkins, RDS, MongoDB, Docker , Nexus, GIT/GitHub.

**Responsibilities:**

- Automated and implemented the Cloud Formation Stacks (JSON Scripts) for creating/administrating the AWS resources like VPC, Subnets, Gateways, Auto Scaling, Elastic Load Balancers, creating DB Instances and many others across different Availability Zones.
- Developing scripts for build, deployment, maintenance and related tasks using Jenkins, Docker, Maven, Python and Bash.
- Used **CLOUDWATCH** for monitoring AWS cloud resources and the applications that deployed on AWS by creating new alarm, enable notification service.
- Cost cutting techniques applied with own written Cloud Formation Stacks by using AWS Auto Scaling Scheduled Actions and Lambda for shutting-down and starting-up the instances based on the requirement or need
- Good experience in implementing and managing Amazon Web Services using AWS Command Line Interface
- Setting up private networks and sub-networks using Virtual Private Cloud (VPC) and creating security groups to associate with the networks
- Highly experienced with UNIX Administrator/ EMC Storage Administrator with the enterprise Hardware Troubleshooting and Capacity Planning. Involved in complete Administration tasks on UNIX (SUN Solaris, Red Hat Linux) and documentation for the projects executed

- Used **ANT** and **MAVEN** as a build tools on java projects for the development of build artifacts on the source code
- Implemented & maintained the branching and build/release strategies utilizing Subversion GIT
- Working knowledge in managing/updating Puppet Master, segregating the modules, writing manifests and pushing them to all the puppet agents
- Focused on DevOps, Cloud Computing, and Virtualization and Storage technologies with aptitude for solving Operations challenges
- Integration of Automated Build with Deployment Pipeline
- Installed **Chef Server** and clients to pick up the Build from Jenkins repository and deploy in target environments (Integration, QA, and Production)
- Used **Chef** to automate Configuration management & Applications
- Used **Chef** to manage Web Applications, Config Files, Data Base, Commands, Users Mount Points, and Packages
- Setup code repositories Like **GIT**, **SVN**, **Visual SVN** and managed plug-in for Jenkins for scheduled automatic checkout of code and Load balancing with **F5**
- Used **Chef** to automate Configuration management & Applications
- Used **Chef** to manage Web Applications, Config Files, Data Base, Commands, Users Mount Points, and Packages
- Deployed many AWS resources by using cloud Formation
- **Using Docker** container enabled rapid deployment with minimum run-time requirements
- Written Chef Cookbooks for various DB configurations to modularize and optimize end product configuration
- Deploying the Maven (pom.xml) file in to Jenkins to build the jobs and written groovy scripts to automate the Jenkins jobs
- Remote monitoring supported through SSH or SSL encrypted tunnels using Nagios
- Managed backups with point-in-time recovery of MongoDB
- Docker image for micro services is pushed to the image repository, following is done to deploy micro services (would run within containers) on AWS EC2 Container Service
- Experience in Deploying, maintaining and integrating services on AWS Cloud Platform
- Linux systems administration skills, across distributions, and especially in a cloud or virtualized environment

#### **Declaration :**

I hereby declare that the particulars furnished above are true to the best of my knowledge and belief.

Date:

Signature

Place: **Cuddalore**

**(R. VINOTHKUMAR)**