RESUME

R.VINOTH KUMAR

vinothkumar.0110@outlook.com

Contact No: 9597262601



Present Address:

8/16 Iyyanar Kovil Street, K.N. Pettai, Thiruvadhipuram Post, 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. Devops & AWS Cloud Architect

Duration : 12TH Mar 2014 to PRESENT

Job Location : Coimbatore

Professional Summary:.

- Around 6+ 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 SysOps Administrator Associate Certificate -Solutions Architect Certified
- 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 imagesprimarily 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#, SQL, 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.
- Experiencein 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.
- CISCONetworking 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: LUMINOUR BANK, FEB 2019 TO PRESENT, US

Role :Sr. DevOps & AWS Engineer

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 **Docke**r 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. RunAnsible 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: ICT NETWORK SYDNEY, NOV 2016 TO DEC 2018

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.
- Worked on Chef cookbooks/recipes to automate Infrastructure as a code.
- AWS Cloud management and Chef automation.
- Integration of Maven/Nexus, Jenkins, GIT, Confluence and Jira.
- Using Jenkins AWS Code Deploy plugin to deploy to AWS.
- Defining Release Process & Policy for projects early in SDLC.
- 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 FEB 2015 TO JAN 2016, 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 S pring 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 sand 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, OCT 2015 TO MAR 2017, 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

Project Name: GENISYS MAR 2014 TO DEC 2014, Chennai

Role: Build and Release Engineer

Environment: Ant, Java/J2EE, Maven, Jenkins, Linux, Solaris, Python, WebSphere, Shell scripting

Responsibilities:

- Provided Configuration Management and Build support for more than 5 different applications, built and deployed to the production and lower environment
- Defined and Implemented Configuration Management and Release Management Processes, Policies and Procedures
- Researched and implemented code coverage and unit test plug-ins with Maven/Jenkins
- Work with development/testing, deployment, systems/infrastructure and project teams to ensure continuous operation of build and test systems
- Developed and implemented Software Release Management strategies for various applications according to the agile process
- Worked on the Oracle databases in the backend to execute the DMLs and DDLs
- Own full lifecycle of build system from analysis, development, implementation and support of builds, unit testing and deployments
- Implement, maintain and support reliable, timely and reproducible builds for project teams
- Maintained build related scripts developed in ANT, Python and shell. Modified build configuration files including Ant's build.xml.

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)