# VENKATAPATHY PURUSHOTHAMAN

**SUMMARY:**

# Contact Information:

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Innovative technology enthusiast with 10 + years of relevant Experience in DevOps automation, AWS Cloud migration Agile Engineering practices. Creative, Innovative and results driven technology leader In Planning, System Architecture and Cloud migration. Currently working with Ideas2it technologies, Chennai as **Associate Technical Architect** AWS migration, driving DevOps Automation.

12+ years of Experience as a DevOps Tools / Configuration Management Engineer/System Administration. Complete knowledge of De vOps and Automation Tools GIT (Bit Bucket), Jenkins, Fortify, Sonar, Ansible,Docker and Kubernetes. Handling build management using Maven. Worked on professional management tools like Atlassian Jira and Confluence.

More than 5 year experience in handling AWS cloud services like EC2, S3, Route 53, Auto scaling, ELB,SNS, ECS,EKS, CLI Tools and Cloud Formation templates.

# SKILLS PROFILE:

**Cloud Computing:** AWS,Azure

**Containerization/**Orchestration**:** Docker/Openshift/EKS/AKS

**Version control Tool:** GIT (Bit Bucket,GIT Lab)

**Security Tools:** Fortify/Sonar/Checkmarx/Whitesource/BlackDuck/OKTA

**Continuous Integration:** Jenkins and Tekton pipeline

**Project Management Tools:** Jira, Hygieia and Confluence.

**Scripting Languages:** UNIX shell scripts, YML, JSON

**Packaging Tools:** NSIS and CMMC

# Configuration Management Tool: Ansible

**Build Tool:** Ant/Nant/Maven

**Repository Management Tools:** Jfrog Artifactory

**Monitoring Tool:** Grafana,PrometheusandELK

**Database Technologies:** RDS/PostgreSQL

# Certifications:

AWS Certified SysOps Administrator - Associate AWS Solutions-Architect-Associate Certified Engineer AWS Certified Developer - Associate

Red Hat Certified Specialist in Ansible Automation. Red hat Certified Specialist in Openshift Administration Aviatrix Certified Engineer

Certified Kubernetes Administrator Microsoft Azure fundamentals

# Company Details:

April2020 - Present Ideas2it Technoligies,Chennai

Nov2019 - April2020 Olam Information service Pvt LTD,Chennai April2019 - Nov2019 Larsen and Toubro InfoTech, Chennai July2012 - March2018 Verizon Data Services (VDSI), Chennai

Dec2006 - July2012 Reliance Tech services Pvt. Ltd DAKC, Navi Mumbai

# WORK DETAILS:

**Company: Ideas2IT technologies-Netsmart, Chennai Role: Lead DevOps Engineer**

Comprehensive EHR solution for storing digital health information/consent of Client.

* Developing and implementing DevOps Solutions with AWS ECS Fargate and Openshift.
* Worked on EKS setup with Argo CD Deployment.
* Worked on ISTIO /ngnix setup
* Implementing DevOps design principles and best practices
* Strategies Infra Automation with Terraform.
* Container-orchestration for automating computer application deployment, scaling, and management.
* Enable developers to build Operators based on their expertise and enable tekton pipeline for openshift Environment.Used Aws System Manager and Secret Manager effectively for the application security.
* Provided Resilient, High-Performance,Secure Applications and Cost-Optimized AWS infra Automation.
* Responsible for design and initial implementation of database/ disaster recovery solutions, optimization and scaling.

# Company: Olam Information pvt ltd, Chennai Role: Senior Lead Engineer

***-****Comprehensive Digital solution by enabling automation in Continuous Integration and Continuous deployment.*

* CICD end-to-end pipeline using Jenkins, Git, maven, sonar, docker & kubernetes.
* Installing and Maintaining code on Bitbucket and providing problem resolution to the developers
* Support on SSH configuration and webhooks /poll scm for pipeline jobs.
* Deploying the WAR /JAR files in the tomcat app server deploy it through the pipeline.
* Creation of builds and performing deployments to multiple environments
* Monitoring the cpu/memory Utilization using Dynatrace.

**Company:** Larsen and Toubro InfoTech, Chennai

# DevOps Tools

**Role: Project Lead DevOps Engineer**

Responsible for the DevOps Tools/Build/Configuration management including GIT administration, Build Automations and Build management using Jenkins, Configured CI CD pipelines, Productions release build management, Windows and Linux Package creation

* Installing and Maintaining code on GIT/ Bit Bucket servers and supporting problems for the developers
* Installing Jenkins Servers / Nodes and integrating them with Bit Bucket / Stash/Jira/Sonar/Fortify and other related servers using respective plugins
* Automating End to End build flow using Jenkins PIPELINE jobs using respective scripts and training developers to create and configure jobs on Jenkins
* Daily Builds and Release engineering builds as per the development requirements Handling compiler/reference issues for JAVA and Visual studio .NET code compilation (MSBUILD)
* Creating Work flow management in Atlassian Jira and integrating it with Bit Bucket and Jenkins.
* Created Docker Containers with base image RHEL 7.3 and added JAVA and other software’s to create Docker images (automated using dockerfile)

# Red Hat OpenShift Container Platform (Docker & Kubernetes):

* Experience in working with Redhat Openshift, Ansible .
* Knowledge on Docker and Kubernetes Fundamentals.
* Configuring Persistent volumes, Secure route, Quotas and Limits.
* Worked on container creation with Docker and orchestration of the same by Kubernetes via the Openshift CLI .
* Handling configuration management of the environment with the help of Ansible

**Company:** Verizon Data Services (VDSI), Chennai

# DevOps Tools / Build / Configuration Management.

**Role: DevOps Engineer**

Responsible for the DevOps Tools/Build/Configuration management including GIT administration, Build Automations and Build management using Jenkins, Configured CI CD pipelines, Productions release build management, Windows and Linux Package creation, User training and AWS Cloud System Administration activities,

* Installing and Maintaining code on TFS and GIT/ Bit Bucket servers and supporting problems for the developers
* Installing Jenkins Servers / Nodes and integrating them with Bit Bucket / Stash/Jira/Sonar/Fortify and other related servers using respective plugins
* Automating End to End build flow using Jenkins PIPELINE jobs using respective scripts and training developers to create and configure jobs on Jenkins
* Build Automation through ANT/NANT/ scripts on Windows and UNIX environments. Automation includes updating the code, build, check for build errors, package and then deploy for Windows and UNIX environments and intimate dev team through mails.
* Configuring and Maintaining JFROG Artifactory server and giving permissions to users according to the projects through ADOM
* Created Fortify scripts to run the code check for to Security vulnerabilities, export the build session to HP Fortify server and download the results
* Configured client scripts Sonar Code Quality check
* Automating middleware installations and release package deployments through Ansible (YML)
* Daily Builds and Release engineering builds as per the development requirements
* Handling compiler/reference issues for JAVA and Visual studio .NET code compilation (MSBUILD)
* Creating Work flow management in Atlassian Jira and integrating it with Bit Bucket and Jenkins.
* Created Docker Containers with base image RHEL 7.3 and added JAVA and other software’s to create Docker images (automated using dockerfile)

# AWS Cloud Administration and Management.

My responsibilities include configuring, maintaining and automating AWS instances according to individual project requirements through Cloud Formation (JSON) templates and CLI and manual ways.

* Creating EC2 Instances manually and through cloud formation templates
* Encrypting volumes and attaching them to instances
* Creating S3 buckets and giving permissions to dev teams
* Created Launch Configuration for the auto scaling group creation
* Configured auto scaling through Cloud formation with auto scaling policies and Cloud watch Alarms and configured SNS for Notifications scale up/down events
* Created custom AMI’s after installing required middleware
* Created ELB and registered them in Route 53 for DNS routing
* Configured Subnets, Security groups and Network ACLs
* Using IAM to manage user permissions
* Terminating and stopping instances whenever the instances are not required to minimize cost on using instances

# WORK DETAILS:

**Company:** Reliance Tech services Pvt. Ltd DAKC

# Server Support Engineer.

**Role: System Administrator Windows Server Administration**

My responsibilities were mainly administration of Windows Advanced Server machines:

* + Installing, configuring, hardening & Troubleshooting server 2000/2003 and 2008 for HP,IBM and Dell Servers
  + Maintenance of over 200 (HP , IBM, Dell Utstartcom) Servers in Data center and Hub which include data backup , security, etc
  + Domain and User maintenance User Creation, Deletion, modification etc Applying Domain Policies
  + Providing the internet Access to domain User and monitor the ISA Logs.
  + Talisma -8.0 SQL purging and database maintenance, User creation and trouble shoot the error.
  + Symantec endpoint Antivirus deployment and maintenance in the 4000 Domain PCs and 200 servers.
  + Vendor coordination and troubleshoot on technical Issue.

# Personal and Education Details:

Marital Status : Married Date of Birth: July 1981

2007 M.C.A with 70.78% in St. Josephs College of Arts and Science Thiruvalluvar University, Cuddalore.