

TamilVanan S
AWS & DEVOPS ENGINEER
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Career Summary

A determined, passionate, and diligent professional with overall 6 years of IT Experience and 4+ years of experience in AWS Cloud services and DevOps processes. Knowledge in implementing AWS Cloud strategy in various environments and DevOps principles in developing CI/CD pipelines by utilizing tools like GitHub, Ansible, Maven, Jenkins, Terraform, Docker and Kubernetes. Well presented with multitasking, good communication, and exceptional research skills. Seeking an opportunity to utilize my technical knowledge in Cloud and work on new challenging technology-based tools in a progressive organization

Areas of Expertise

Jenkins	Git	Github	Terraform
Ansible	Docker	Kubernetes	Python
Sonarqube	Ci/ Cd Pipeline	Splunk	Appdynamics
Aws Cloud	Ec2 with LB & ASG	S3	VPC
IAM	Route 53	RDS	Lambda
Cloud Front	Cloudwatch	Cloudtrial	EFS
Tomcat	Sonatype Nexus	Red Hat Linux	Windows

Career History

VALLEY INFOSYSTEMS PVT LTD

November 2019 – Till Present

Project: **Humana Inc**

Role: **Devops Engineer**

- Experience in the provisioning Cloud Infrastructure using **Amazon Web Services**.
- Created Three-tier architecture in AWS using services like **EC2, S3, EFS, IAM, Load Balancer, Auto Scaling, VPC, Route 53, Cloud Front, CloudWatch, RDS**.
- Created S3 buckets and S3 **life cycle management** for old data and logs. Also adding **EBS** and **EFS** whenever required.
- Experience on **VPC peering & NAT Gateway** for application servers hosted on private subnets.

- Created messaging services for serverless applications using **Lambda & SNS**.
- Experience on CI/ CD workflow using **Code Deploy & Code Pipeline**.
- Implemented cloud services **IAAS, PAAS, and SaaS**
- Written **Terraform** code for building Cloud Infrastructure. Automated builds workflow using terraform. Knowledge on **CloudFormation**.
- Automation of the Manual Tasks using **Python** Programming Language.
- Good Experience with Version Control System such as **Git**, Administrating source code management by **Github** repository
- Created branches, tags and handled merge conflict using **Git mergetool**.
- Experience on implementing CI/ CD pipeline using **Jenkins** and running jobs on slave machine using Master Slave Connection.
- Written Docker File to build Docker Images to run them as **Docker** Containers. Built and deployed Docker containers for implementing micro services architecture from monolithic architecture.
- Managed **Docker orchestration and Docker containerization** using **Kubernetes**.
- Used **Kubernetes** to orchestrate the deployment, scaling and management of Docker Containers.
- Used **Apache Maven** Project management tool POM file to automate the build process in Jenkins to manage project libraries, compiling, preparing war file and deploying in **Apache Tomcat**.
- Automated build jobs and deployment process with Jenkins.
- Extensive Experience on **Ansible** playbooks and ad hoc commands. Created Ansible-Roles and used Ansible-Vault on configuration files.
- Knowledge on Application Monitoring Tools like **Appdynamics, CloudWatch** on AWS
- Knowledge on Log Monitoring Tools like **Splunk, CloudTrail** on AWS
- Worked in **Agile DevOps** enabling working environment using Atlassian tools **JIRA** to track issues and change Management.
- Good knowledge on managing and integrating code Quality tools like **SonarQube**, manage **sonar rules, Quality gates**.
- Good Experience in Operating systems like Windows & **Linux (Red Hat)** commands.
- Good knowledge in **Sonatype Nexus** repositories for the managing artifacts and dependencies.

VALLEY INFOSYSTEMS PVT LTD

April 2019 – October 2019

Project: **Humana Inc**

Role: **AWS Cloud Intern**

- Collaborate with **AWS Engineer** and Interns to learn about **AWS Services** and troubleshooting Techniques.
- Having Good experience in Amazon Web Services environment and good knowledge of AWS services like **Elastic Compute Cloud (EC2), Elastic Load Balancers, IAM, S3, Cloud Front, RDS, VPC, Route53, Cloud Watch, Cloud Formation.**
- Setup/Managing Linux Servers/ Windows server / Ubuntu servers on AmazonEC2.
- Creating/ Managing **AMI/ Snapshots/ Volumes**, Upgrade/ downgrade AWS resources (CPU, Memory, EBS).
- Created volumes and attach volumes on to EC2instances.
- Creating **S3 buckets** and managing policies for S3 buckets and Utilized S3 bucket and Glacier for storage and backup on AWS.
- Utilized **Cloud Watch** to monitor resources such as **EC2, CPU memory, EBS volumes**; to set alarms for notification or automated actions; and to monitor logs for a better understanding and operation of the system.
- Getting working experienced in creating complex **IAM** policies, Roles, and user management for access with in AWS.
- Hands on working experience on **Web Server (Apache), Application Servers (Tomcat, JBOSS), DB Server (MySQL)**
- Involved in resolving customer problems like tickets/ incident for the application using JIRA
- Documented the entire installation process for various tools and provided on-call support.

VTECH SOFT IT SERVICES

Dec 2017 – Mar 2019

Role: **Support Engineer**

- Install, upgrade, support and troubleshoot XP, Windows 7 and Microsoft Office 2007, Antivirus and other authorized desktop applications.
- Configure, Install, upgrade, support and troubleshoot for printers, computer hardware and any other authorized peripheral equipment.
- Performs general preventative maintenance tasks on computers, laptops, printers and any other authorized peripheral equipment
- Performs remedial repairs on computers, laptops, printers and any other authorized peripheral equipment

- Handling routine desktop and laptop support issues, which include installing and re-installing Operating Systems (OS), drivers, applications, configuring devices, MS-Office, MS-Outlook, among others.
- Providing network support which includes configuring IPs, proxy settings and handling of Network ports issue among others.

TECHNICAL STRENGTHS:

- ❖ **Operating System:** Windows, Linux (Ubuntu, Redhat, Centos)
- ❖ **Cloud:** AWS (Amazon Web Services)
- ❖ **CI/CD:** Jenkins
- ❖ **Source code tool:** Git
- ❖ **Build Tools:** Maven
- ❖ **Containerization:** Docker
- ❖ **Container orchestration tool:** Kubernetes
- ❖ **Configuration Management Tools:** Ansible, Terraform
- ❖ **Repository Tools:** Nexus Artifactory, Docker Hub, Git Hub
- ❖ **Code Quality Tools:** SonarQube
- ❖ **Scripting:** Groovy Scripting
- ❖ **Security tool:** IAM
- ❖ **TELNET Tools:** PUTTY, PuttyGen, Pageant, WINSCP
- ❖ **Monitoring Tools:** Splunk, Prometheus & Grafana

EDUCATION QUALIFICATION

Under Graduation (UG)

University	: Anna University
Course	: B.Tech/IT
Passed out	: 2012

PERSONAL INFORMATION

D.O.B	: 26-05-1991
FATHER'S NAME	: P.Seran
NATIONALITY	: Indian
GENDER	: Male
LANGUAGES KNOWN	: English & Tamil
CURRENT LOCATION	: Chennai.

DECLARATION

I do hereby declare that the particulars of information and facts stated here in above are true, correct to the best of my knowledge and belief.

TamilVanan S