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**AWS DevOps Engineer** **Email:** [i](mailto:i)tsmesivasankar7@gmail.com



# Career Objective:

To secure a challenging position where I can effectively contribute my technical skills derived from experience and education that can contribute maximum results to the growth and progress of a company.

# Professional Summary:

* Over **4.6**+ years of IT experience and **3.6+** years of relevant experience as a **DevOps / AWS Engineer** with the ability to use wide variety of open-source DevOps tools**.**
* Comprehensive experience in design and implementation of Continuous Integration, Continuous Deployment, Continuous Delivery and best DevOps strategies for Agile projects.
* Proficient in implementing and adapting to Release/Change Management Process.
* Ability to work effectively within team and with minimal supervision.
* DevOps experience with **Maven**, **Nexus**, **Git/GitHub**, **Jenkins**, **Docker**, **Kubernetes**, **Datadog.**
* Expertise in Amazon **AWS** Cloud Administration which includes services like: **VPC**, **S3**, **SSM**, **ACM**, **Secrete** **Manager**, **EC2, ELB, EBS, Auto Scaling, ECS, ECR, CloudFront**, **Cloud** **Trail**, **CloudFormation**, **CloudWatch**, **Route** **53**, **RDS**, **DynamoDB, Redis, Code Build, Code Deploy, Code Pipeline, Config, API, Lambda** etc.,
* Proficient in **Kubernetes** container orchestration and management.
* Strong knowledge of **Kubernetes** architecture, including clusters, nodes, pods, and services.
* Experience with containerization technologies like **Docker** for packaging and distributing applications.
* Expertise in IaC tools like **Terraform**, written **Terraform** modules for 20+ AWS Cloud Services.
* Experience in branching, tagging and maintaining the version across the environments working on Software Configuration Management (**SCM**) tools like **Git**.
* Proficient with Git and **Git workflows**.
* Experience with automation/ integration tools like **Jenkins** and Experience with automation/ integration tools like Jenkins, AWS Code Pipeline, GitHub Actions and GitLab
* Experience in the implementation of **CI** & **CD** pipelines using **Jenkins** pipeline plugin with groovy scripts.
* Good experience in microservice based **Docker** container architecture.
* Good experience in writing **Dockerfiles** and building docker images using Dockerfiles and creating Docker containers.
* Experience with container orchestration tools like **AWS** **ECS**.
* Infrastructure as Code tools like **Terraform**, **Ansible**.
* Experience in containerization tools like **Docker** and used Docker container architecture and deployed the containers in AWS ECS Cluster.
* Worked on Configuration Management tools like **Ansible**.
* Experience in writing Ansible Playbooks, Ansible Roles for Configure Management.
* Experienced with **Datadog**, **CloudWatch** as IT Infrastructure Monitoring tools.
* Experience in Pre-Production and Production deployments and involved in 100+ Production releases.
* Ability to build deployment, build scripts and automated solutions using scripting languages such as **Shell** scripting (Bash), Groovy, YML and **Python** scripting.
* Strong ability to troubleshoot any issues generated while building, deploying and in production support.
* Closely worked with Developers and Analysts to address project requirements. Able to effectively manage time and prioritize multiple projects.
* Effectively co-ordinate with various functions development, testing, environment management, helpdesk within the organization throughout the SDLC.

# Academic Qualifications:

* B.Tech (EEE) from Jawaharlal Nehru Technological University, Anantapur in 2014.

# Professional Experience:

* Working as an **AWS DevOps Engineer** at **Helson Software Solutions Private Limited, Hyderabad** from **June 2019** to **till date**.

# Technical Skills:

|  |  |
| --- | --- |
| **Operating Systems** | UNIX/Linux (RHEL, Ubuntu, Centos), Windows. |
| **Programming and Scripting Languages** | Shell, YML, Groovy |
| **Cloud Services** | Amazon Web Services (AWS) |
| **Infrastructure as a Code Tools** | AWS CloudFormation, Terraform |
| **Web/Application Servers** | NGINX, Apache Tomcat and HTTP Server |
| **Build Management Tools** | Maven |
| **Version Control / SCM Tools** | GIT with GitHub, BitBucket |
| **Continuous Integration Tools** | Jenkins, AWS CodePipeline, GitHub Actions |
| **Containerization & Orchestration Tools** | Docker, Kubernetes |
| **Configuration Management Tools** | Ansible |
| **Databases** | AWS RDS, DynamoDB, MySQL |
| **Project Management & Ticketing Tools** | Jira, Service-Now |
| **Monitoring Tools** | AppDynamics, Datadog, AWS CloudWatch |

# Projects Summary:

**Project #2:**

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| --- | --- |
| **Title** | Agios Pharmaceuticals |
| **Client** | RxLogix, Bengaluru |
| **Environment** | Linux, AWS, Terraform, Docker, K8s, Maven, Git, Jenkins, Shell Scripting, Jira, Datadog |
| **Duration** | May 2021 to till date. |
| **Role** | AWS DevOps Engineer |

**Contribution:**

* Used Agile methodology throughout the project.
* Involved in Source Control Management with GitHub and Bitbucket.
* Regular activities include configure user’s access levels, monitor logs, identifying merge conflicts and managing master repository
* Deploy and monitor scalable infrastructure on AWS & configure management.
* Involved in performing applications on AWS for multitude of applications utilizing the AWS stack, Cloud formation.
* Written Terraform Modules to provision environments on AWS.
* Used AWS CLI to manage applications.
* Build, Test and Deploy applications using Jenkins CICD Pipelines.
* Involved in Pre-Prod setup and support testing.
* Written Dockerfiles and deployed in backend application.
* Developed build & deployment scripts using Maven, Automated the process using plugins available Jenkins and move from one environment to other throughout the build pipeline.
* Produced scripts for viable combination of JIRA applications with different tools.
* Setup and maintenance of automated environment using Terraform Modules.
* Building and deploying applications using AWS code pipeline and AWS Code Build.
* Installing agents like Code Deploy Agent, Java, Git, Tomcat on dev servers.
* Writing IAM roles to make connection between different AWS services.
* Whitelisting IPs to provide access to the application.
* Automated backup of all servers using Jenkins pipeline.
* Modifying or updating existing environments with latest changes given by developers.
* Working closely with both BE and UI developers to automate the build and deployment process.
* Rising certificate requests and updating certificates in AWS ACM and other AWS resources.
* Involved in patching work to update all servers.
* Involved in cost optimization to reduce the cost.

**Project #1:**

|  |  |
| --- | --- |
| **Title** | Apollo Hospitals, India |
| **Client** | Tashee Linux Solutions Pvt Ltd, Hyderabad |
| **Environment** | Linux, AWS, Docker, Maven, Git, Jenkins, Shell Scripting, Jira, Service-Now |
| **Duration** | July 2019 to May 2021 |
| **Role** | System Engineer |

**Contribution:**

* Monitoring customer environments and networks.
* Write detailed installation and execution processes for Change Board approval.
* Monitor our customer's systems via an enterprise monitoring system.
* Interact with our customers directly and through ticketing systems.
* Perform zero-downtime deployments across multiple globally distributed origins.
* The many projects and new required infrastructures.
* Delivery and operational management of Apple Macintosh servers and clients.
* Monitoring of environments.
* Create and manage internal staff documents for Linux and security procedures to provide uniform, compliant environment for production implementation.
* Provide Linux system administration, and operational support of client production environments including operating system installations, mail, authentication, and upgrades.
* Work with consulting practice on Pursuits, RFP responses, and solution development and sustainment.
* Provide experience in virtual server technology to resolve technical issues, and hands-on client project support.
* Support of our development around bugs in Linux / Linux patch.
* Performed network based automated installations of Operating System using Jumpstart for Solans and Kickstart for RHEL Linux through TPM (Tivoli Provisioning Manager).
* Installation and Configuration of Mail server of Send mail, and Postfix
* Installation, configuration and maintenance of Virtualization technologies such as VMware and Linux
* Design, development, and implementation of the package and patch management process,
* Troubleshooting the VM machines using Virtual center and VMware Infrastructure client.
* Volume Manager, Solstice Disc Suite and logical volume manager managing disks and file systems.
* Successfully installed and configured NAGIOS monitoring system to monitor the production server environment.
* Improved monitoring with Nagios and custom plugins.
* Configured rules and alerting mechanism to raise alert for failure of servers, wherever possible.
* Installation, Configuration and Administration of High Availability VERITAS Cluster Service for redundancy purpose.
* Designed, built and implemented a System Imager for Linux.
* Installation, setup, configuration, security administration and maintenance for flavors of servers like Active Directory, NFS, FTP, Samba, NIS, NIS, LDAP, DHCP, DNS, SMTP/Mall Server, Apache Servers, Proxy Servers in heterogeneous environment.
* Writing Shell scripts for system maintenance and automation of server
* Monitor performance and resource utilization of key systems and provide ongoing trend analysis for forecasting future resource requirements
* Monitoring System performance and do kernel tuning to enhance the system Performance.
* Proactive maintenance on systems by timely scheduling of at jobs, batch jobs and cron jobs

**Environment**: Red Hat Linux 5.0,6.0,7.0 AS ES, Virtual Box, VMware, Tomcat 6.x,7.x, 8.x.

# Certifications:

* Certified in AWS Solution Architect Associate, valid till Sep’2026

# Declaration

I hereby declare that the above-furnished information is true to the best of my knowledge and belief.

Place:

Date: (Siva Sankar K)