VJ SAIRAM

sairam.vj@gmail.com   +65-(8816-3329)

EP - Singapore   +91-9884699987

SUMMARY

- Highly dedicated, conscientious and technically astute individual around 8 years' experience in DevOps and Automation, both on the development and the Linux administration sides, in Banking, Finance and Ecommerce domains.

- Adept at melding operations, implementation of fully automated Continuous Integration, Installing, configuring and automating Jenkins for Continuous Integration and Enterprise release engineering, ansible for leveraging configuration management, terraform for IAC, AWS for cloud provisioning and other DevOps culture and Agile methodology.

TECHNICAL SKILLS

DevOps	:	Jenkins, Ansible, Terraform, AppScan, ELK, Nagios, Docker, Kubernetes.
AWS	:	IAM, EC2, VPC, EBS, AMI, SNS, RDS, EBS, CloudWatch, CloudFormation, S3.
Programming and Scripting	:	Java, Python, Groovy, Shell, PowerShell, Selenium WebDriver**,** JMeter.
Operating Systems	:	RHEL, CentOS, Windows, Ubuntu.
Server and Database systems	:	Nginx, Tomcat, WebLogic, WebSphere, Oracle, MySQL, PostgreSQL, NoSQL.
Others	:	Maven, Gradle, GIT, Bitbucket, JIRA, JFrog, Liquibase, New Relic, Helm.

PROFESSIONAL EXPERIENCE

Employer – Encora Technologies Pte Ltd	**Duration** – June 2017 - Present
Designation – DevOps Consultant	**Client** – Standard Chartered Bank

- Handled **70+ different bank applications**, eased the use of DevOps platform through Jenkins as Infrastructure as Code, created an immutable infrastructure, one click CI and CD using pipeline scripts, Groovy wrappers and DSL scripts.

- Installed, Configured and **Managed Docker containers, Docker Images** with **Kubernetes** for different applications by creating base images that includes Web Servers, and Applications servers - Apache Tomcat and Weblogic.

- Worked with Application team to support Application Migration Projects - Installation, Configuration, Administration and Support for Linux servers, **reduced** the **provisioning time down by 50%**, using Ansible and Cloudformation in AWS

- Configured Nginx reverse-proxy, upgraded packages and done patches on Linux servers using package managers - RPM.,

- Implemented fully automated build management, monitoring and deployment by using **Ansible playbooks** and modules

- Installed, Configured, Managed Monitoring Tools such as **DataDog, CloudWatch, ELK** for Resource Monitoring, Network Monitoring and Log Trace Analysis. Created DevOps Dashboard using **Helm, Kubernetes,** Kafka and **Grafana**.

- **Migrated existing legacy infrastructure** and recreated the entire environment in AWS with CloudFormation and Jenkins.

- Involved in Architecting, build and maintain **highly available secure multi-zone AWS cloud infrastructure** utilizing Ansible/Terraform/Cloud Formation for provisioning/orchestrating and Jenkins for continuous integration.

- Integrated **Cobertura** - code coverage, **SonarQube** - code quality analysis, **Appscan** - Security and Vulnerability Testing.

- Worked on **evangelizing** the DevOps model in the bank, worked in increasing deployment frequency and performance.

- Repository management for Maven, Gradle and NPM builds to share snapshots and releases of artifacts using **JFrog**.

Employer – Softcrylic Technology Solutions	**Duration** – March 2013 - May 2017
Designation – Technical Lead-DevOps	**Client** – PurchasingPower LLC

- As a Technical Lead in DevOps, analysed the existing projects, Build and Release Process and provided the necessary improvements and reusable scripts in **automation**, dependency management, minimizing repetitive manual tasks.

- Strong DevOps expertise in **developing plays, playbooks, workflows in Ansible** to manage the migration, configuration, and ongoing management of Linux based solutions.

- Installed, Configured and automated the Jenkins Build jobs for Continuous Integration and AWS Deployment pipelines using various plug-ins like **Jenkins EC2 plugin and Jenkins CloudFormation plugin**.

- Deploying, managing and operating scalable, highly available and fault tolerant systems on Amazon Web Services.

- Designed roles and groups for users and resources using AWS Identity Access Management (IAM) and managed network Security using **Security Groups and IAM**.

- Created load balancers (ELB) and used Route53 with failover and latency options for high availability and fault tolerance

- Monitored the Server Performance (CPU utilization, Memory Utilization, Data store) & Network Performance using Monitoring tools like **CloudWatch and New Relic** during the production deployments and peak hours.

- Experience in system, orchestration & deployment of AWS and migrated all instances from Rackspace to AWS for the Staging environment. Create monitors, alarms and notifications for EC2 hosts using CloudWatch.

- Designed and implemented fully **automated server build management**, monitoring and deployment solutions spanning multiple platforms, tools and technologies including Jenkins Nodes/Agents, SSH, Testing and faster Deployments.

- **Travelled to USA to devise DevOps strategy on Configuration Management and Deployment tools implementation.**

Employer – Cognizant Technology Solutions	**Duration** – October 2010-February 2012
Designation – Programmer Analyst	**Client** – Lloyds Bank

- Worked on automating the **Java Framework (Pega)** for SWIFT payment gateways, Role Authorization and Fraud checks.

- **Automated 300+ test cases** in Functional Testing; achieved 70% test coverage and included Jmeter Performance testing as a part of Continuous Integration in Jenkins, increased efficiency by 20% using Sikuli for Oracle App Automation.

- Expert in **Shell, Groovy and Python** based **scripts** for merging, branching and automating most of the manual processes.

- Administered and Troubleshooted Linux servers for several functions including managing Tomcat server, mail server and MySQL databases in both development and production during load testing and for log analysis.

- Took sole responsibility of distributed performance testing and **automated the JMeter scripts** and analysed the **root causes** of technical issues and **performance bottlenecks using Appdynamics**.

- **Automated REST API calls using** SOAPUI suites to test Rest API and Regression with Selenium to test Back End Services.

ACADEMIC PROFILE

- Post Graduate Diploma in International Business, Symbiosis Center for Distance Learning, 2010-12, First class.
- B.Tech in Information Technology, St.Peter's Engineering College, 2006-10, First class.