CURRICULUM VITAE

Prabhu S
Senior Software Engineer | Site Reliability Engineer
psundarraj1221@gmail.com | +91 7401256086
LinkedIn - prabhu-sundarraj | Github - prabhus489

Address : Urbanrise Revolution One Apartment,
E-Block, 8th Floor, APT-E811,
OMR Main Road, Padur Village,
Kelambakkam Road,
Chennai-603103, Tamilnadu, India.

Career Summary

A highly skilled, results-oriented, Detail-oriented and experienced Site Reliability Engineer (SRE) + Test Automation Engineer + DevOps Engineer with 8.5 years of experience in designing, developing and executing automated tests for web and API applications. Expertise in using modern testing frameworks, CI/CD tools, and test management solutions to ensure robust quality assurance practices. Proven track record in incident response, disaster recovery, and implementing service level objectives (SLOs) and service level indicators (SLIs). Adept at liaising with key stakeholders to initiate automation in SDLC, effectively execute strategic projects & deliver compelling value to clients.

Professional Summary

- **Test Automation Framework for MLOPS Application: Developed a robust RobotFramework(RPA) and Selenium-based automation framework that reduced the testing cycle by 50%, incorporating cross-browser testing for Chrome, Firefox, and Edge.**
- **API Testing Suite for Banks Data Analytics Platform Application: Created a suite of automated tests using Robot Framework, Postman, and Python for a banks D&A platform, ensuring security and performance of customer-facing APIs.**
- **Fault-Tolerant Infrastructure: Experienced in Architecting a multi-region, highly available infrastructure on AWS, utilizing EC2, S3, RDS, and Route 53 for seamless failover and disaster recovery.**
- **Automated Deployment Pipeline for Microservices: Collaborated in Designing and implemented a fully automated CI/CD pipeline using GitLab, Teamcity, Docker, and Kubernetes, enabling consistent deployments with zero downtime.**
- **Strong attention to detail and passion for continuous improvement in the software testing process.**
- **Experienced in working in Agile environments and cross-functional teams to drive quality from the development phase through production.**
- **Enthusiastic about learning new technologies and frameworks to stay up-to-date with the latest industry trends.**
- **Strong focus on collaboration, documentation, and cross-functional team communication.**
- **Experienced with agile methodologies and working in fast-paced, highly dynamic environments.**
- **Developed and maintained infrastructure as code (IaC) for various environments using Terraform, leading to faster provisioning and better disaster recovery processes.**
- **Supported containerization efforts with Docker and Kubernetes, significantly improving deployment consistency across staging and production environments.**
- **Participated in daily stand-ups and sprint planning, working with cross-functional teams to deliver on key initiatives.**

Working Experience

ORGANISATION	DESIGNATION	PERIOD
Royal Bank of Scotland (Natwest Group)	Site Reliability Engineer	June 2023 - Present(till date)
Wipro Limited	Senior Project Engineer	Sep 2021 - May 2023
Aspire Systems Inc	Senior Engineer	Oct 2019 - Sep 2021
MSYS Technologies	Senior Software Engineer	Feb 2019 - Sep 2019
Ethna Attributes Soft Technologies	Software Engineer	June 2016 - Jan 2019

Educational Qualification

COURSE/DEGREE	INSTITUTE/UNIVERSITY	PERIOD	CLASS
M.Tech. Software Engineering	BITS Pilani, Work Integrated Learning Programmes (WILP)	Jan 2021 - Jan 2023 (passed out)	First Class
B.E. Electrical and Electronics Engineering	Anna University	Aug 2012 - Apr 2016 (passed out)	First Class
HSC(12th)	P.A.K. Palanisamy Higher Secondary School	Mar 2011 - Mar 2012 (passed out)	First Class
SSLC(10th)	P.A.K. Palanisamy Higher Secondary School	Mar 2009 - Mar 2010 (passed out)	First Class

Technical Skills

- ✓ **Configuration Management: Ansible, Ansible Tower**
- ✓ **Provisioning: Terraform, Terraform Enterprise, Terraform Cloud, Cloud Formation**
- ✓ **Build Tools: Maven, Gradle**
- ✓ **CI/CD: Jenkins, Travis CI, TeamCity, GitLab, AWS Code Pipeline**
- ✓ **Repository: JFrog Artifactory, Code Artifact, Sonatype Nexus**
- ✓ **Database & Caching: PostgreSQL, Oracle, MongoDB, Cassandra, Redis, Elasticsearch**
- ✓ **Web Design: HTML5, CSS, JavaScript**
- ✓ **Programming Languages: Python ,Shell Script, Core-Java**
- ✓ **Version Control Systems: Git, Bitbucket, GitLab**
- ✓ **Web Servers: RHEL Enterprise Apache(httpd)-2.4.x, JBOSS EAP, Nginx**
- ✓ **OS Platforms: Linux/Unix, Windows, macOS**
- ✓ **Cloud Service Provider: AWS, Azure, GCP**
- ✓ **Big Data: Hadoop, Hive, Sqoop, Oozie, Flume**
- ✓ **ETL: Informatica Power center, Databricks SQL, Spark SQL**
- ✓ **Batch Processing/Scheduler: BMC Control-M, crontab**
- ✓ **Test Automation Tools: Selenium, Appium, Cypress, JUnit, TestNG, Robot Framework, Postman, Cucumber, UiPath**
- ✓ **Container Platform: Docker, OpenShift, Kubernetes, Podman, Skopeo, Buildha, Containerd**
- ✓ **MLOps, LLMOps, GenAI Tools: Arthur-AI, Comet-ML, TruEra-AI, Comet-LLM, Truera-LLM, Azure OpenAI**
- ✓ **ITSM Platform: BMC Remedy, ServiceNow**
- ✓ **Object Store: S3, Azure Blob**
- ✓ **Networking: TCP/IP, DNS, HTTP(S), Load Balancers, CDN, VPN, VPC**
- ✓ **Cloud Testing: AWS**

Key Skills

- ✓ Containerization
- ✓ Experiment Management
- ✓ Project Management & Delivery
- ✓ Software Development
- ✓ Database Administration
- ✓ DevOps & MLOps
- ✓ Root-Cause-Analysis
- ✓ Stakeholder Management
- ✓ Configuration Management
- ✓ Change Management
- ✓ Server Maintenance
- ✓ Liaison & Coordination
- ✓ Infrastructure Monitoring
- ✓ Security & User Administration
- ✓ Shell Scripting
- ✓ Incident Management
- ✓ Networking & Configuration
- ✓ Deployment & Provisioning
- ✓ System Testing
- ✓ Software Testing
- ✓ Test Automation
- ✓ Problem Management
- ✓ Virtualization
- ✓ Release Management

Automation Tools

- ✓ **Developed test scripts for MLOPS Tools like Comet, Truera, Arthur Application's using Robot Framework (base RPA). This Robot Framework test scripts, suite's will be used for performing API testing, SDK testing, UI testing, Regression testing, Integration testing, unit testing, functional testing for MLOPS tools using ATDD, MTDD/TDD and BDD based methodology**
- ✓ Developed VCenter Automation as a Service (Vaas tool) **using Python language**. This tool will be used to create **virtual machines(VM's) in VCenter/VSphere and automatically assign Ip's with the help of manual network assignment file and also it will assign the newly created VM's Ip's to the Domain Name Server (DNS).**
- ✓ Created **Snow Forms** and **Confluence Forms** to collect user requests/Bug requests which helps my team to track the request, task progress, status easily and also it reduces SLA Time of each request and helped us to serve customers much better and faster.

Projects

Project-1

Project Domain	Machine Learning Operations(MLOps) Engineering	
Project Name:	Machine Learning Controls Platform(MLOPS Tooling Platform)	
Client	NatWest Group (Previously Royal Bank of Scotland PLC)	
Role	Test Automation Engineer, Site Reliability Engineer	
Organization	NatWest Group (Previously Royal Bank of Scotland PLC)	
Team Size	4	
Duration	June 2023 – Present(Till date)	
Environment	**Tools :**	Arthur-AI, Comet-ML, TruEra-AI, Sagemaker Studio, Sonatype Nexus, Robot Framework(RPA) , Selenium, Python
	OS :	RHEL 7.x/8.x/Linux, AWS AMI(RHEL)

Synopsis

Machine Learning Controls Platform provide a self-hosted, cloud-based machine learning tools and frameworks running in multiple application instance which allows Data Scientists, Data Engineers, ML Engineers, and other interested parties of their project use-case team to monitor, track, compare, explain and optimize experiments or machine learning models to ensure only quality model deployed in production. Machine Learning Controls Platform host and manage multiple mlops tools such as **Comet ML, TruEra AI, Arthur AI**…etc This Machine Learning Controls Platform provides the following functionalities to enable **MLOps in model management and deployment workflow**:

- Manage Machine Learning Experiment Management
- Production Model Monitoring
- Collaboration to easily share models/runs/experiments
- Explainability, Anomaly detection, Bias Tracking, model drift, Reporting, inference detection
- Performance Monitoring, Experiment Tracking, Model versioning, Model Comparison, Model Quality Testing

Responsibilities

1. Designed, developed, and maintained automated test scripts using RobotFramework, Selenium WebDriver with Python and Java for web-based applications.
2. Collaborated with developers and manual testers to identify test cases for automation, increasing test coverage by 30%.
3. Integrated automated tests into the CI/CD pipeline using GitLab, reducing manual regression testing by 40%.
4. Wrote and maintained test scripts for API, SDK, CLI Testing using RobotFramework with Python.
5. Wrote and maintained test scripts for Cross Platform Integration testing and Regression Testing using RobotFramework with Selenium, Python and Java.
6. Conducted load and performance testing using JMeter to ensure application scalability.
7. Assisted in setting up automated testing frameworks and continuously improved automation processes.
8. Reported and tracked defects in Jira, collaborating with the development team for timely fixes.
9. Mentored junior team members on best practices in test automation.
10. Wrote and maintained Test Scripts for multiple AWS account console/web-ui level user workflow testing for different aws service's.
11. Worked on integrating AWS Sagemaker, Sagemaker studio with MLOps Tools such as Comet, Arthur, Truera to enable Machine Learning Model Development, Testing and Deployment workflow.
12. Have tested and worked on Ingesting LLM Prompts from offline datasets
13. Helped users to troubleshoot and fix the issues they are facing in using MLOps tools such as Comet, Arthur, Truera
14. Have worked on administrating multiple mlops tools such as Truera, Comet, Arthur…etc
15. Enabled Monitoring and Alerting for various MLOps applications by Integrating with cloud watch and IBM Tivoli Netcool.
16. Raised and Managed Change Records, Incidents in ServiceNow for Production Release's.
17. Experience in executing CLI commands to interact with Truera, Comet Application Server with Python SDK client based Rest API calls.

Project-2

Project Domain	Data & Analytics, Data Enterprise/Data Hub	
Project Name:	D & A - Kepler Data Science Platform (KDS)	
Client	NatWest Group (Previously Royal Bank of Scotland PLC)	
Role	Cloud Engineer, Site Reliability Engineer	
Organization	Wipro Limited	
Team Size	5	
Duration	June 2022 – May 2023	
Environment	**Tools :**	Terraform Enterprise, AWS, Cloud Formation, aws service catalog, S3, Sagemaker studio, Code Deploy, Code Pipeline, Code Commit, Code Artifact, ECS, Docker, comet ML, Truera Model Monitoring, VPC, AWS Lambda, Cloud trail, cloud Watch, AWS Cost Management, Bitbucket, Artifactory, Python, AWS SSM, AWS Automation Document, aws service catalog, RobotFramework, Seleium
	OS :	RHEL 7.x/8.x/Linux

Synopsis

Kepler Data Science Platform implement the following functionality in AWS public cloud lab accounts:

- Self-service Infrastructure Deployment
- Central Python Package management system
- CI/CD pipeline for model development and promotion
- Testing Capabilities
- Model Decoupling and orchestration
- Code standardization
- Quick-start Generic Templates Data and model Quality and bias monitoring

Responsibilities

1. Led the migration of critical applications to Kubernetes on AWS, improving deployment efficiency by 30% and reducing downtime by 25%.
2. Designed and implemented automated CI/CD pipelines that reduced deployment time by 40% and minimized human errors.
3. Monitored and optimized system performance, improving system uptime from 98.5% to 99.95% through enhanced monitoring and proactive alerting.
4. Defined and tracked Service Level Indicators (SLIs) and Service Level Objectives (SLOs) to ensure reliable performance, with a focus on reducing latency and downtime.
5. Responded to high-severity incidents, conducting root cause analysis, and implementing mitigation strategies, reducing incident resolution time by 20%.
6. Collaborated with development teams to create scalable microservices architectures and optimize resource utilization, resulting in a 15% reduction in cloud infrastructure costs.
7. Developed automated test cases for functional and regression testing using Selenium and TestNG.
8. Worked closely with the manual QA team to convert test cases to automated scripts, increasing overall testing efficiency by 25%.
9. Performed cross-browser and cross-platform testing to ensure compatibility across different environments.
10. Used Git for version control and participated in daily stand-ups and sprint reviews as part of Agile Scrum teams.
11. Analyzed test results and reported defects with detailed steps for reproduction.
12. Worked on provision the model deployment product via aws service catalog on the use case account
13. Worked on implementing AWS best practices for MLOPS capabilities in sagemaker
14. Worked on aws service catalog to create products
15. Have worked on reducing time to live for ML projects by starting projects with generic templates that implement code standards, unit tests and CI/CD pipelines for production ready use case development from the beginning of the project
16. Worked on provision Kepler data science labs for users based on their project and infrastructure requirements.

Project-3

Project Domain	Data & Analytics	
Project Name:	D & A Data Science Platform capability on AWS (DADS)	
Client	NatWest Group (Previously Royal Bank of Scotland PLC)	
Role	Cloud Engineer, DevOps Engineer	
Organization	Wipro Limited	
Team Size	11	
Duration	September 2021 – June 2022	
Environment	**Tools :**	Terraform Enterprise, AWS, Cloud Formation, aws service catalog, S3, Sagemaker Notebook, EMR, EC2, Glue, Athena, DynamoDB, Step-Function, Code Deploy, Code Pipeline, Code Commit, Code Artifact, ECS, Docker, comet ML, Truera Model Monitoring, VPC, AWS Lambda, Cloud trail, cloud Watch, AWS Cost Management, Bitbucket, Artifactory, Cloud Authorizer, Python, AWS SSM, AWS Automation Document
	OS :	RHEL 7.x/8.x/Linux

Synopsis

DADS Platform is exclusively designed and used by Data & Analytics including Data Science & Innovation team and the franchise-aligned analytics teams, however this platform pattern defined by the design is intended to become a template for business areas outside of D&A that want to conduct model development in public cloud.

Responsibilities

1. Collaborated with development and QA teams to ensure seamless integration of automation and CI/CD practices, reducing ML model release cycle times by 30%.
2. Conducted root cause analysis for major incidents, leading to the implementation of corrective actions that improved system stability by 15%.
3. Worked closely with product teams to design and deploy high-availability systems, ensuring minimal downtime during updates and patch cycles.
4. Provided leadership and mentorship to junior DevOps engineers, creating an environment of knowledge sharing and skill development.
5. Enabling and provisioning AWS analytics Lab account for users
6. Assisted in user onboarding to kick-start the Data science Labs.
7. Enabling AWS-S3 Datalake connectivity for DADS Lab.
8. Worked on cross account DataLake connectivity with KMS key encryption.
9. Worked on Terraform enterprise to provision DADS Lab accounts for users.
10. Worked on Sagemaker Notebook instance to test, develop and deploy ML models in the DADS execution environment by effectively using AWS CI/CD pipeline.
11. Worked on EMR provision with scalable compute [power configuration and also based on AWS AMI, default RBAC and default manual shutdown.
12. Worked on Enabling AWS cloud compute power with SSH tunnelling over AWS SSM on EMR & EC2 instances.

Project-4

Project Domain	Banking (Risk, Legal, PSS, Compliance)	
Project Name:	Pantomath The Chatbot (ChatBot-1.0/Pantomath), (ChatBot-2.0/ Rasa_Bot)	
Client	Standard Chartered Bank (previously Scope International)	
Role	Software Engineer, DevOps Engineer	
Organization	Aspire Systems Pvt Ltd	
Team Size	4	
Duration	January 2021 – August 2021	
Environment	**Tools :**	Python 2.7.x, Python3.6, NLTK, Rasa, Rasa X, Rasa enterprise, botfront, AngularJS, HTML, CSS, Angular, Java, Spring, Apache web server, Rundeck, Husa, PostgreSQL, MongoDB, Terraform, Jenkins, maven, Artifactory, Java, Spring-boot, Apache2(httpd)
	OS :	RHEL 7.7/Linux

Synopsis

Pantomath(ChatBot): It is the chatbot which will answer all the user input questions based on the exact match/score provided by NLU(machine Learning part) and Python.

Corpus Management(Admin Panel):The Back-Office module provides a greater detail in terms of the Bot's usage, trends & patterns. With the advanced Machine Learning capabilities and with all the stats available, the machine keeps learning every single time to provide more accurate results.

Responsibilities

1. Worked on migrating chatbot to AWS EC2 instance.
2. Worked in Terraform & Jenkins to automate the deployment and provisioning of AWS EC2 instance.
3. Created terraform bootstrap scripts for automation deployment of chatbot application.
4. Created terraform scripts to enable security group inbound rules to open custom ports in EC2 instance.
5. Worked on Jenkins build to push the binaries to artifactory.
6. Worked in Jenkins build to deploy applications, created docker images for all the deployments and also pushed the same with binaries into artifactory.
7. Worked in PostgreSQL client(psql shell) to restore the schema backup in PostgreSQL server.
8. Have worked on AES (Advanced Encryption Standard) and Triple DES (Triple Data Encryption Algorithm) crypto cipher modules for encryption decryption of sensitive data.
9. Worked in two different chatbot development and deployments one with python, NLTK, Chatterbot and another with Rasa Framework.
10. Have trained various rasa models to support the chatbot response effectively.
11. Involved and worked on training rasa models for AI chatbot development.
12. Worked on entity creation and intent mappings for rasa model chatbot.
13. Effectively mapped the intents for questions to make use of Natural language processing (NLP) effectively.
14. Worked in creating crone Jobs(schedular) to automate the service restart of application.
15. Worked in development and deployment of server-less Chatbot admin panel application to add the new questions to chatbot application.

Project-5

Project Domain	Fraud Analytics / Data Science	
Project Name:	Application Fraud Risk Management	
Client	Standard Chartered Bank (previously Scope International)	
Role	DevOps Engineer	
Organization	Aspire Systems Pvt Ltd	
Team Size	10	
Duration	November 2019 – December 2020	
Environment	**Tools :**	Java1.8, pulse, case-manager, Zookeeper, RabitMQ, Cassandra, SAS rules coding, Ansible, Postman, Kong, Python, Third-party ETL, PostgreSQL, Nginx, Hadoop, spark-lib
	OS :	RHEL 7.7 Mapio/Linux

Synopsis

Application Fraud is always a big challenge for the financial institutions. With chip cards nearing full deployment, criminals are changing their patterns. In the recent study, application fraud is a trend to keep our eyes on particularly in retail lending. The proliferation of synthetics identities is creating a whole new brand of identity theft which is better disguised and harder to detect. Couple that with the large-scale data breaches and there is a perfect storm brewing for very high levels of application fraud. Application Fraud Risk Management contains two different applications part of it one is Pulse-View and the another one is Case-Manager. Pulse will be used to detect the score for each application's created newly using data science models. Case-Manager will be used to manage the customer applications.

Responsibilities

1. Worked on ansible automation deployments
2. Have used ansible commands like –step, --skip tag..etc for troubleshooting the deployments
3. Worked in creating ansible roles, tags, tasks, vaults, configurations ..etc for large scale application deployments.
4. Have used PostgreSQL database in application development and deployments
5. Have worked on various environments like SIT, DEV, UAT, OAT, PROD/DR.
6. Have worked on AES (Advanced Encryption Standard) and Triple DES (Triple Data Encryption Algorithm) crypto cipher modules for encryption decryption of sensitive data
7. Worked in the deployment of data science models, SAS rules code for AFD application
8. Have worked on configuring nginx web server for application
9. worked on creating Rundeck Automation Jobs for various applications to help production and non-production server CVE patch upgrade
10. Have worked in creating rundeck job templates for service start/stop/restart & application deployments
11. Have involved & supported Performance Testing activity for the applications running in non-prod

Project-6

Project Domain	Private Datacenter, DevOps	
Project Name:	HPE Infosight - Nimble storage	
Client	Hewlett Packard Enterprise-HPE	
Role	DevOps Engineer	
Organization	MSys Technologies LLC	
Team Size	9	
Duration	March 2019 – September 2019	
Environment	**Tools :**	Vertica DB, GitLab, Jenkins, JFrog, Mesosphere DC/OS, Kubernetes, Docker, Ansible Tower, Hadoop, Hive, Relational Junction, VSphere/VCenter VM's, Elastic Search
	OS :	Linux (Redhat), Centos, Ubuntu

Synopsis

HPE InfoSight is HPE's solution to managing infrastructure performance and uptime in the data centre. It is an artificial intelligence (AI) platform that predicts and prevents problems before they arise across an infrastructure stack and with this predictive analytics system, your enterprise can take advantage of the autonomous data centre to automatically solve issues, guarantee application availability, and lower overall storage operational expenses with lifetime support at no added cost. For those familiar with Nimble Storage, you might be wondering where the HPE element comes in. Back in 2017 HPE acquired Nimble Storage, which includes the storage provider's InfoSight Predictive Analytics platform. Similar to before the acquisition, when you buy Nimble hardware (HPE Nimble Storage), InfoSight is included with no added management costs. Now in the hands of HPE, InfoSight has been extended to 3PAR. HPE 3PAR customers with a support contract will be able to take advantage of InfoSight immediately.

Responsibilities

1. Worked on Ansible Tower for the deployments.
2. Created Kubernetes clusters and worker nodes and deployed ocules search pods in it
3. Configured ngnix with kubernetes to run ingress test in the deployed pods and api integrations.
4. Created Prometheus alerts for newly added branch in versioning space.
5. Configured LDAP authentication for Grafana to give login access for a particular team in Infosight project.
6. Worked on testing the Initiator Operating Systems like ESX (5.5 to latest 6.7), Windows 2012 R2, Windows 2016, AIX (7.1, 7.2) CentOS 7, HP-ux 11.3
7. Worked on executing test coverage for file system workload using IOMeter and VDBench,
8. Worked on testing the application workload using Jetstress, HammerDB.
9. Worked on managing Vsphere Orchestartion
10. Have used Elastic search indexes in containerized application
11. Created users and given privilege to access kibana console.
12. Worked on application deployments in Kubernetes using yaml files
13. Have deployed K8's cluster using kube-spray automation script
14. For every story completion in sprint have worked on Kubernetes deployment for various version in bitbucket commits.

Project-7

Project Domain	Health Care	
Project Name:	Smart IOT Healthcare Automation	
Client	Emblem Health	
Role	Software Engineer	
Organization	Ethna Attributes Soft Technologies Pvt ltd.	
Team Size	8	
Duration	February 2018 – December 2018	
Environment	Tools :	GitLab, Docker, Python, Flask, Django, PyCharm, Postman, Mongo DB, gradle, Informatica, Ldap, ELK, Hadoop, Jenkins, VMWare, Ansible
	OS :	Linux & Windows

Synopsis

Emblem Health Insurance began establishing a community presence in its service area (New York) by launching a hybrid care coordination and wellness program called Neighborhood Care as part of expanded access to health care. The all-payor claims information covers more than 3 million claims. This combination of claims data and proprietary intelligence is delivered in an easy-to-use and customizable format that allows access information on payor mix and commercial providers at the facility or physician level, analyze claims and procedures by region, cost, for predictive analytics to enable effective claims scoring, underwriting, pricing and claim fraud.

Responsibilities

1. Involved in the development and sustenance of various modules like User management, Patient Management, Claim Management and Log Analytics.
2. Involved in designing of microservices architecture.
3. Research, Develop, implement new methods of measuring and analyzing data sets and processes
4. Leverage analytics involving large dataset to refine and improve data models and determine confidence levels for newly produced threat indicators.
5. Understand correlation, multivariate regression and all aspects of massaging data to look at it from different angles for use in predictive modeling.
6. Collaborating with the team members to improve the effectiveness of business decisions through the collected survey of data and predictive model.

Project-8

Project Domain	Manufacturing	
Project Name:	Spend Analytics Management System (SAMS)	
Client	Aero MAN, El Salvador	
Role	Software Engineer /DevOps Engineer	
Organization	Ethna Attributes Soft Technologies	
Team Size	5	
Duration	November 2016 – October 2017	
Environment	**Tools :**	Docker, Git, Python, Ansible, K-8's, Hg, Rancher, MongoDB, Prometheus
	OS :	Windows and Unix

Synopsis

Maintenance, Repair and Operating supplies (MRO) has been a challenging spend category for aviation engines MRO companies. Spend data invisibility, fragmented supplier base, high impact on plant uptime and non-compliant spending are just some of the challenge companies must be tackled while addressing MRO spend. Despite these challenges, the best performers in this space have been able to achieve 8-15% savings benefits in recent years because of robust spend analytics solution that can provide real-time continuous futuristic spend analysis to balance the spend category and optimize. Time Series statistical technique used when several years' data for a product or product line are available and when relationships and trends are both clear and relatively stable to optimized prediction. A causal test modeling expresses mathematically the relevant causal relationships, and may include pipeline considerations (i.e., inventories) and market survey information. It may also directly incorporate the results of a time series analysis.

Responsibilities

1. Created Kubernetes clusters using Kube-spray Ansible script
2. Created Kubernetes worker nodes and pods for test environment deployments.
3. Created Prometheus alerts for the applications need to monitor.
4. Created Ansible playbook for the application deployments
5. Worked on Python backend part for application development using Django and also worked on python automation scripts to automate the migration of Postgress DB.

Appreciation

- ✓ **Got Award in my current company for Winner in TESTATHON-2024 for Individual Functional Testing Category.**
- ✓ **Got Best Performer award from client for Creating automation tools.**
- ✓ **Got Appreciation mail from client for performance tuning for reduce execution time.**
- ✓ **Got Dream Team Award from client**

Certifications

- ✓ **Databricks Certified Data Engineer Associate - Databricks**
- ✓ **HashiCorp Certified Terraform Associate - HashiCorp**
- ✓ **AWS Certified Solutions Architect Associate - AWS**
- ✓ **AWS Certified Cloud Practitioner – AWS**
- ✓ **Microsoft Azure Fundamentals Certified – Microsoft**
- ✓ **Azure Administrator | Project Ready | Role Ready Certification – Microsoft | Microsoft Cloud Launch**
- ✓ **Big Data and Hadoop Developer Certification - Edureka!**

Avowal

I hereby declare that all the information furnished above by me are true and correct to the best of my knowledge and belief.

(Prabhu S)