

Mohammed Musaif

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Profile

- Experienced Splunk Engineer, Developer, and Python Automation Developer with **2.5 years of dedicated service** at **Solugenix Pvt Ltd**. Specializing in Python scripting and SPL query development, I create robust software solutions.
- As a passionate professional, I have a proven track record in building and scaling data infrastructure. Currently, I work as a System Analyst at Solugenix, where I am responsible for the development of Splunk data streaming and transformation applications, as well as operational productivity tools.
- Seeking a challenging Data Engineer role to leverage my skills and experience.

Professional Experience

Systems Analyst

Solugenix 📄

04/2022 – present

Hyderabad, India

Role Description: Splunk Engineer, Administrator & Automation Developer

2+ Years of professional experience in IT Industry as a Splunk Engineer, developer, and Automation Developer at Solugenix, the primary responsibility is to oversee the management, optimization, and automation of Splunk and Dynatrace applications. This multifaceted role involves a combination of technical expertise, problem-solving skills, and software development proficiency.

Responsibilities:

1. Splunk Engineering:

- Manage Splunk infrastructure, including installation, configuration, and maintenance of Splunk servers and components.
- Configure Splunk indexes, inputs, outputs, and other settings to ensure optimal performance and data integrity.
- Monitor Splunk deployment health, troubleshoot issues, and perform capacity planning to meet business requirements.
- Implement security best practices and ensure compliance with regulatory standards in Splunk environment.

2. Automation Development:

- Develop automation solutions using Python scripting to streamline various Splunk and Dynatrace processes.
- Design and implement Python scripts to automate tasks such as application onboarding, log ingestion, index creation, and password management.
- Utilize APIs and SDKs provided by Splunk and Dynatrace to integrate automation scripts with existing systems and workflows.
- Continuously improve automation scripts to enhance efficiency, reliability, and maintainability.

3. Application Onboarding and Log Management:

- Onboard new applications into Splunk by configuring data inputs, sourcetypes, and index configurations.
- Ingest logs from various sources, including system logs, application logs, databases, AWS, and web servers, into Splunk for analysis and monitoring.
- Develop strategies for log data normalization, enrichment, and retention to facilitate effective searching, reporting, and alerting in Splunk.

4. Data Analysis and development:

- Analyze log data in Splunk to identify trends, anomalies, and performance issues across applications and infrastructure.
- Create dashboards, alerts, and reports in Splunk to provide actionable insights and facilitate proactive monitoring and troubleshooting.
- Collaborate with stakeholders to define key performance indicators (KPIs) and develop custom searches and visualizations to meet specific business requirements.

5. Dynatrace Configuration and Integration:

- Configure and manage Dynatrace monitoring solutions to monitor the performance and availability of applications and infrastructure.
- Develop automation scripts to automate Dynatrace configuration tasks, such as adding servers and IPs to monitoring profiles.
- Integrate Splunk and Dynatrace to leverage combined insights for comprehensive application and infrastructure monitoring and troubleshooting.

Education

B.TECH (Mech)

CMR Engineering College [🌐](#)

07/2017 – 11/2021

Hyderabad, India

Skills

Programming Languages



Python, JavaScript, MySQL, PostgreSQL, React-js

Development tools



VSCode, GitHub, Bitbucket, Bootstrap, Jira, Aws, Oracle VM VirtualBox, MobaXterm, Linux

Python Modules



Pandas, NumPy, Psycopg2, Pyspark, MySQL, FastApi, Requests, Pyautogui, Matplotlib etc

SAAS



Splunk Enterprise, Splunk ITSI, Splunk Security, Cribl and Dynatrace.

Awards

Star Performer

01/08/2023

Solugenix

- On automation performance, Automate Capital group's Splunk instance data on-boarding from various sources.

Professional summary

Splunk Engineer, Developer, and Python Automation Developer with 2+ years of professional experience at Solugenix. Skilled in managing, optimizing, and automating Splunk and Dynatrace applications.

- Manage and maintain Splunk infrastructure, ensuring optimal performance and data integrity.
- Configure and monitor Splunk indexes, inputs, and outputs.
- Troubleshoot issues, perform capacity planning, and ensure compliance with security best practices.
- Develop Python scripts to automate Splunk and Dynatrace processes.
- Integrate automation solutions using APIs.
- Onboard applications into Splunk, configure data inputs, and manage log ingestion.
- Analyze log data, create dashboards, alerts, and reports for actionable insights.
- Configure and manage Dynatrace monitoring solutions.
- Integrate Splunk and Dynatrace for comprehensive monitoring and troubleshooting.
- Develop Python scripts to integrate data from Excel, Csv files into databases, created pipelines to pull and store data efficiently.

Certificates

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|--------------------------|---------------------------|---|
| • Cribl User certificate | • Cribl Admin certificate | • AWS Certified Solutions Architect - Associate |
| • Terraform | • Python | |

Personal Projects

Data Model & Pipelines [↗](#)

Communication Website [↗](#)

Interior website [↗](#)

React-js [↗](#)