P V UMESH CHANDRA

Analyst - Software Development

A distinguished and accomplished IT Professional of Information Technology and Software Engineering with consistent track record of Professional Excellence in IT Automation and Data Science with interest in analyzing raw data and statistics, brings excellent communication abilities with building machine learning models.

Profile Summary

- A competent professional with 2+ years of professional experience in IT Automation, Data Science and Build release Management Engineer that includes environment setup, build automation, continues Integration, scripting and deployments.
- Expertise in writing Python, Shell and Yaml scripts to automate the tasks/deployments.
- Strong knowledge on source controller concepts like Branches, Merges and Tags using GIT.
- Developed ansible playbooks for installing, configuring services on servers and for other operations.
- Exposure of working with end users &application teams to install, improve or deploy updates to their
  Applications installed.
- Expertise in developing the bots like CPU, Memory, Patching Activity and automated the entire process using Ansible, Python and AWX(Tower).
- Experience in creating custom Docker Images using Docker file and Docker environments to deploy.
- Implemented Exploratory Data Analysis (EDA) in Python with Pandas, Matplotlib and NumPy, such as sampling, feature engineering, correlation, etc.
- Having Good knowledge on the databases like Sql (MySQL, MSSQL), NoSql (MongoDB).
- Performed various operation like inserting the data and fetching data from the databases like MySQL, MSSQl and Mongo DB using Python.
- Expertise in python script for visualization of data, which is retrieved from the databases.
- Developed python script for Microbots Platform integrated with the Service Now by using APIS.
- Developed python script automatically reassign incidents stuck in the Queue.
- Developed PowerShell scripts for Service Manager Ticketing tool for integrating with Microbots Platform.
- Created APIS using python flask wrapper for integrating with the Service Manager Incident Management.
- Exposure of working with end users &application teams to install, improve or deploy updates to their applications installed.
- Having good knowledge on the AWS (Amazon Web Services).
- Performed data analytics using Kinesis Data Streams and SQS (Simple Queue Services).
- Possess good interpersonal, documentation and oral communication skills, positive work attitude.
- Persuasive communicator with exceptional relationship management skills with the ability to relate to People at any level of business and management.
- Outstanding ability to provide application support from development to production.
- Dedicated and highly ambitious to achieve personal goals as well as organizational goals.
- Adroit at learning new concepts quickly and working well under pressure.
- Ability to think both strategically and tactically in a high-energy, fast-paced environment, understand business context and integrate cognitive and advanced analytics levers for solutions, Ability to work in a global collaborative team environment.

SOFTWARE SKILLS

Databases	MS SQL Server, MySQL, MongoDB
Data Visualization	Grafana
AWS Data Analytics	Kinesis (data streams, data firehose), S3, DynamoDB, AWS Lambda
Devops	Ansible, Git, Docker
Automation	Ansible
Project Mgmt. Tools	MS Office
Other Tools	Postman, GitHub
Programming	Python, PowerShell
Key Skills	Machine Learning, Data Analysis & Visualization.

EXPERIENCE

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#Project 1:- Ansible Platform.
Name: Ayehu eyeShare to Ansible workflow migration project
Client: GE(General Electric)
Role: Automation Engineer
Domain: Network
Description:

General Electric Company (GE) is an American multinational conglomerate specifically built for many various industries. We use to manage the GE Bussines units of network managing both content and data. Companies can now eliminate tool based, which is called Ayehu eyeShare to Ansible workflow migration, and streamline their end-to-end clinical processes.

Core Responsibilities:
- Developed Python Scripts for updating the data into databases, which gathered from the server by executing the specific commands.
- Developed Python Scripts for getting the specified mails from outlook.
- Developed Ansible Playbooks for creation of incident in the service now using APIS.
- Developed Ansible playbook for an alerts getting created in the outlook mail, Need to create an incident and update the data base.
- Developed python script to update the work notes to an incident and assign to group in Service Now.
- Developed Ansible Playbooks, which we got the mails from the outlook and updated the incident using APIS.
- Developed Python Scripts for modifying the required data.

#Project 2:- Microbots Platform.
Name: Microbots
Clients:
1. Jubilant Life Sciences
2. Jubilant Pharma
3. Kotak Life Insurance.
3. Tata AIG
4. Ealing Council.

Role: Automation Engineer
Domain: Administration orchestration, Network.

Description:
Microbots minimizes the service engineers efforts by entering into the servers and reduces the Memory,CPU,Disk and Patching for both windows and Linux client devices. We majorly created the bots using ansible and AWX (Tower) for execution of bots using Git for storing the bots. By Microbots creation majorly reduces the time and human intervention and increases revenue these were majorly integrated with the lot of Ticketing tools as well.

Core Responsibilities:
- Developed Ansible Playbooks for Automate the patching activity for Service engineers used to work for lot of Hours. The Report will be shared to the stakeholders with the required information like patches installation status, services will be captured before installation process like pre checks after installation it will gather the services snapshot compare both pre and post if any service found to stop will restart automatically send report successfully implemented in the production environment for all the clients.
- Developed a Python Script for integrating the Microbots Platform with service now using APIS.
- Developed Python Scripts for automatic reassignment of incidents in the service now using APIS.
- Developed Python Script for inserting data into Mongo DB using APIS.
- Developed Ansible Playbook for automatic restart of the services for both windows and Linux.
- Developed Ansible Playbooks for adding the users and creation of groups in Active Directory Services in Windows.
- Developed Ansible Playbooks for creation and deletion of roaming profiles in the Active directory services.
- Developed Ansible Playbooks for creation and deletion of Service Principal name in the Active directory services.
- Configured Scheduled builds for application deployment on non-prod environments.
- Installed and configured AWX Tower Environment for various customers.
- Expertise in creation of Docker containers and pods for non-prod deployments.
- Developed PowerShell scripts for automating the process for Service Manager Incident Management.
- Developed flask APIS for Integration Microbots Platform with Service Manager.

#Project 3:- Data Science.
Name: Exploratory Data Analysis on Distribution of food works Dataset.
Client: Jubilant Life Sciences
Role: Data Science Engineer
Description:
Implemented exploratory data analysis on the Jubilant Life Sciences food works distribution, Exploratory Data Analysis is a method of uncovering important relationships between the variables by using Graphs, plots, and tables. Exploratory Data Analysis (EDA) is a very useful technique especially when you are working with the large unknown dataset. It allows you to investigate the interesting relationships between the variables, study the different subsets of data to unlock the different patterns in the data. Similarly Jubilant Life Sciences is having huge data of distribution of food works across the country and have to understand the process of investigating the data to discover patterns, trends, relationships and anomalies (outliers), and form hypotheses based on understanding of the data predict the major profits of the distribution across the world.

Core Responsibilities:
- Defined exploratory data analysis with an overview of the whole project.
- Distrubution of food works data will be inserted to database.
- Devloped python script which retrives the data from database and store in the form of CSV files in Linux server with in a specified path.
- Developed python script to read the data from a CSV file from a specified path into a Pandas and Numpy DataFrame.

- Implemented to check and eliminate the missing values and outliers in our dataset. In case there are any missing entries, we will impute them with appropriate values (mode in case of categorical feature, and median or mean in case of numerical feature).
- Performed a descriptive statistics on the data like numerical parameters, fields like mean, standard deviation, percentiles, and maximum have been distributed. For categorical features, count, unique, top (most frequent value), and corresponding frequency have been distributed.
- Implemented the machine learning model called linear regression in Supervised Learning which predicts the major profits of distribution of foods across the world.
- Predicted values are stored in variables to visualize major profitable distribution of food works across the world.
- Finally concluded the most profitable distribution of food works across the world by Data Visualization.

Certifications

Python Programming Master Class
Python MySQL Data Base From Scratch.
Ansible Absolute for Beginners-Hands-On-Devops
Machine Learning (Stanford University)
Exploratory Data Analysis for Machine Learning (Coursera)
What is Data Science (IBM Data Science Professional)
Tools for Data Science (IBM Data Science Professional)
Data Science Methodology (IBM Data Science Professional)
Python for Data Science, AI & Development (IBM Data Science Professional)
Databases and SQL for Data Science with Python (IBM Data Science Professional)
Getting Started with Data Analytics on AWS

EDUCATION

Sree Vidyanikethan Engineering College, Tirupati.
Electrical and Electronics Engineering.

Accolades

- Awarded as a Top Performer.
- Customer Delight award for outstanding performance.
- SUPER SQUARD award for outstanding performance.

Personal Details

Date of Birth: 14th August 1998
Languages Known: English, Hindi, and Telugu
Address: #21/581, Beside Muni Reddy Colony, Colony, Near Honda Show Room, Jammalamadugu, Kadapa District, Andhra Pradesh – 516434.
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