

Prasad Nagineni

Systems Engineer

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PROFILE

I have 2 years of work experience in building orchestration runbook workflows to automate IT Operations. Data Science enthusiast with strong math background with hands on experience on machine learning and developing end to end data science projects to solve challenging business problems.

SKILLS

Python | **PowerShell** | **Databases** (MongoDB | MySQL) | **Rest-API** (Fast API) | **Machine Learning** (Scikit-learn)
Linux (Ubuntu) | **Statistics** | **Deep Learning** (Pytorch) | **CI/CD** (Docker | Git | GitHub Actions / CircleCi | Terraform)
Cloud (Azure, AWS) | **Service-Now** | **Web Development** (HTML, CSS, Java Script) | **Natural Language Processing**

WORK EXPERIENCE

Tata Consultancy Services, Process Automation Engineer 2020 Nov – Present | Hyderabad, India

- Working in **agile methodology**.
- Designed, developed, and implemented runbooks and workflows to automate routine IT tasks, resulting in improved operational efficiency and reduced manual efforts.
- Collaborated with cross-functional teams, product managers and SME to gather requirements and understand process requirements for automation.
- Developed custom PowerShell scripts to automate various IT tasks and streamline operations.
- Implemented Azure Devops CI/CD pipeline to set up group membership management tool in the environment to manage nested groups in Azure Active directory.
- Developed an automated solution to create/update/remove auto managed AD groups according to Organization structure (global, Country, and site) also add/remove respective users.
- Designed workflow to fulfill office 365 activities such as create/modify/delete shared mailbox, resource mailbox and distribution lists.
- Enabled a secure authentication using azure applications, azure key vault and certificate/key to authenticate Exchange Online.
- SCORCH and SQL server upgraded from 2016 to 2019
- Mentored junior engineers on best practices in software development life cycle and IT automation.
- Implemented continuous improvements to existing automation systems to enhance their performance and reliability.
- Implemented ITIL Service Management processes and monitored IT service levels to ensure compliance with SLAs.
- Reporting monthly automation metrics (Automation vs Non automated) and present savings, benefits to management.
- **Tech:** PowerShell, Python, SQL
- **Tools Used:** System Center Orchestrator, Microsoft Excel, Power BI, Visual Studio Code
- **Knowledge On:** REST API, Active Directory, Microsoft Azure, Office 365, ITSM, ServiceNow, System Center Suite.

PROJECTS

Machine Learning Data Pipeline, Pipeline 2022 Jun – 2022 Jul

- Tech:** Python, **Confluence Kafka**, GitHub Actions MongoDB, **Docker**
- ML pipeline to retrieve streaming data from confluence Kafka and store in Mongo DB.

Sensor Fault Detection, Machine Learning 2022 Aug – 2022 Oct

- Tech:** Python, Mongo DB, Fast API, **Docker**, **AWS EC2**, **AWS ECR**, **AWS S3**, Git, GitHub Actions
- Developed a solution to classify whether the data generated by the sensor is fault or not, to reduce unnecessary repairs in APS.
 - Used Fast API as an interface for the model.
 - Implemented CI/CD in using GitHub actions and deployed the application on **AWS**.

EDUCATION

Jawaharlal Nehru Technological University, 2016 Jul–2020 Oct | Ananthapur, india
Computer science and Engineering

- Cumulative Percentage: 7.75 CGPA

AWARDS AND HONORS

MFDM AI Practitioner Certification

2022 December

- Certification for completion of 60 hours of learning along with assignments, hands on and business use cases.

Contextual Masters

2022 August

- Appreciation in Tata Consultancy Services with reward of three thousand gems.

On the Stop Award

2021 August

- Award for continuous improvements and deliveries in Tata Consultancy Services.

CERTIFICATES

- SQL – MySQL for Data Analytics and Business Intelligence
- The Python Bundle | Everything You Need to program in Python
- Microsoft Power BI – A Complete Introduction

COMMUNITY INVOLVMENT

National Cadet Corps 2013 Jul – 2014 Nov | Nellore, India

Blood Donor

- Donated blood 2 times to Red Cross Society