

BHUVANA MOHAN KOLASANI

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PROFESSIONAL SUMMARY

- Over **4+ Years** of experience in Development, Management and Implementation of various applications using Python.
- Hands-on experience with **Azure Databricks**.
- Experienced with **Pyspark** and **Spark SQL** for large-scale data processing.
- Experienced with **Airflow** for scheduling and monitoring the data workflows.
- Experienced in working with various Python IDE's using **PyCharm, VScode, Jupyter Notebook**.
- Experience with **Pandas, NumPy, PIL, Boto3, Requests, langdetect, psycopg2** and other python libraries.
- Developed backend modules serving as **API** for frontend application using **Flask Framework**.
- Experienced with **ETL (Extract, Transform, Load)** flow design, development and processing of data.
- Experienced with **PostgreSQL** database.
- Proficient in handling **Hbase** database operations, **Hbase shell commands**.
- Knowledge of AWS Services like **AWS S3, Lambda, SQS, AWS Cloud Watch Logs**.
- Experienced working with **Kafka-Python** client for the Apache Kafka distributed stream processing system.
- Experienced with version control systems like **Git** to keep the code organized.
- Experience in using **Jenkins** tool for building and deploying code into clusters.
- Used **JIRA** for issue tracking and bug tracking for each individual sprint and used confluence to create design documents.
- Good knowledge on usage of **Kubernetes** and **kubernetes commands** for monitoring the pods, checking the logs, scaling and operations of application containers across clusters.
- Well versed with Agile SCRUM and Test-driven Development (TDD) methodologies.
- Involved in entire lifecycle of the projects including **Design, Development, Deployment, Testing, Implementation** and support.
- Good knowledge in front-end development technologies like CSS, HTML, Angular and collaborating with front-end team for integrating **APIs**.

ACHIEVEMENTS

- Received **STAR OF THE MONTH** award for excellence in contributing to the key deliverables.
 - Consistently recognized with outstanding feedback in annual performance reviews.
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Professional Experience

JAN 2023 - Present – Senior Data Engineer

LTIMINDTREE, Hyderabad, Telangana.

Client – SP GLOBAL

- Creating **Airflow Dags**, scheduling and monitoring.
- Extracting data from various external sources and loading it into raw layer.
- Applying transformations and loading transformed data into target database pointing to delta locations using **Pyspark** and **Spark SQL**.
- Worked on **Azure Databricks** for Workspace Management, Data Management and Cluster Management.
- Creating **Databricks jobs** on job cluster to run multiple tasks as a workflow.
- Involved in deploying airflow dags and data processing scripts to Staging and **Production** environments successfully.
- **Postman** tool for triggering api endpoints.
- Working on **Azure Devops board** for planning and tracking of project work across the entire development cycle.
- **Jenkins** deployment using CI/CD pipelines.
- Version controlling using **GIT**.

Professional Experience

AUG 2021 – DEC 2022 - Software Engineer

QRITRIM INDIA PRIVATE LTD, Hyderabad, Telangana.

Migrated from WALKING TREE TECHNOLOGIES TO QRITRIM as a separate entity as per the organizational requirements.

- Developing python **Flask APIs** serving as a backend for the real-time applications by performing CRUD operations.
- Extracting various contents (text, table, images) from factory documents for DENSO.
- Reading and writing file operations in AWS S3 using boto3 library.
- Implemented search as you type functionality for showing recommendations to user using **postgres Full Text Search**.
- Worked on data pre-processing in ml model building such as **outlierdetection**, **train-test split** of data and **Normalization**.
- Manipulating and cleaning and processing huge amounts of data using Pandas and Numpy.
- Insert, Delete, Update operations on databases HBase and PostgreSQL.
- Developing **kafka producer** and **consumer** mechanism for passing data across different modules which are used in real-time.
- Creating end-to-end **machine learning pipelines** using Elyra and Kubeflow.
- Version controlling using **GIT**.

Professional Experience

Walking Tree Technologies, Hyderabad, Telangana.

JULY 2019 - OCT 2019 - **Trainee Associate Software Engineer**

NOV 2019 - APRIL 2021 - **Associate Software Engineer**

MAY 2021 - JULY 2021 - **Software Engineer**

- Involved in **ETL flow designing** and **ETL scripts development** in python for real-time application data processing based on **Influencer Management system**.
- Worked on Image processing libraries such as **PIL**.
- Worked on AWS services like **Lambda** and **SQS** for data processing systems.
- Handling Tabular data and numerical data using **pandas, numpy**.
- Implementing **Parallel computation** in ETL scripts for processing of huge amount of data in less available time.
- Using multiprocessing module in python for spawning processes simultaneously.
- Worked extensively on database operations such as **Hbase** and **Postgres**.
- Integration of ML models, exposing model as **api** to outside world.
- ETL code optimizations and **memory management** in python.
- Working and deploying the code in multiple **environments** Dev, QA and Production servers.
- Involved in business requirements and discussions and developing solutions satisfying business needs.
- Used **GIT** and **GitHub** for managing source code by resolving merge conflicts that occur during collaboration of various stakeholders of the application.
- Involved in Agile development methodology with the help of **JIRA**, and actively participated in Scrum meetings.
- Worked with **Postman** tool for APIs development and integrating with front-end angular application.
- Worked on front-end UI development using html, css, Extjs and basics of angular.

Personal Details

- **Gender** : Male
- **Marital status** : Single
- **Languages** : English, Telugu.
- **Address** : AndhraPradesh,INDIA