

Manish Cheepa

Python Software Developer

manishchhipa98@gmail.com
<https://www.linkedin.com/in/manishcheepa/>
8107588977
Hyderabad, Telengana, India

Experienced software/python developer with 6 years of expertise in data engineering, software development, and analytics. Skilled in developing web services and RESTful APIs using Python frameworks like Django, Flask, Quart, and FastAPI.

Work Experience

Software Developer IV

May 2023 - Present

Astreya | Hyderabad

- Migrated Tableau Dashboards with Power BI and Deneb to save the License cost of Tableau by 78% yearly.
- Won a project for the company using a Vega Dashboard of 10 million dollars.
- Led a team of developers in creating a Flask-Angular web application hosted on AWS cloud, utilizing services such as SES, SNS, Elastic Beanstalk, CloudFront, Firebase, SSO, and Secret Manager and helped save 60% license cost and 80% manual effort.
- Developed features to automate previously manual processes, including visa processing and payroll management, integrating the system with Workday for seamless operations.
- Designed and maintained RESTful APIs to support the various functionalities of the HRMS system, ensuring high performance and reliability.
- Implemented machine learning models using PyTorch for facial recognition to automate attendance tracking.

Senior Software Engineer

Oct 2021 - May 2023

Infoobjects | Jaipur

- Led a Team of 7-8 individuals in designing and developing ETL pipelines for JDBC, Kafka, and File ingestion using Airflow, Databricks, Spark, Python, and CICD for migrating data of 1000 of GBs.
- Designed Data Engineering Backend Platform using Python, Django, SOLID Principals, and OOPS Concepts which saved 100s of hours of redundant Software Development facilitating 100% quality-assured ETL pipelines.
- Developed complex ETL pipelines using SQL, Spark SQL, Airflow DAGs, and Python for data transformation and consolidation, resulting in improved data analysis for near Real-Time reporting with - 2-3 ms of latency.
- Architected and Developed streaming pipelines using Kafka, Spark, Databricks, Airflow, and Python, reducing existing pipelines' costs by 85% and running costs by - 20 Hours.
- Backed up all ETL pipelines with PyDat pipelines using Airflow APIs, Slack Notifications for failure, Cross Dependent Dags for data validation Including Metadata, Count, and Data check for 0 data loss and 100 % accurate data.
- Developed a custom File Ingestion ETL solution for headerless tsv files with around 580 columns using Python, Spark, Databricks, and AWS Lambdas ensuring ingestion in - 5 mins.

Technology Analyst

May 2018 - Oct 2021

Infosys | Pune

- Developed serverless solutions using AWS Lambdas, S3 Buckets, AWS data lake, Redshift, and CDNs to handle data ingestion, transformation, and prediction tasks with Python, achieving near real-time response times with - 1 ms latency.
- Contributed to real-time data application using AWS kinesis, Redis, CDNs, AWS Athena, and Elastic Load Balancers for a filtration plant ensuring latency of - 5 ms, 0% data glitches, fault tolerance, and resiliency consistency.
- Developed the automated server monitoring scripts for on-premises servers using Python, Unix removing manual monitoring on weekends generating reports in less than 10 mins removing manual work by 100%.
- Developed RPA bots using Python, UiPath, Azure, and Github pipelines removing L1 support by 100% achieving 100% SLA for Service Now.
- Fixed bugs, improved performance, and developed additional features for on-premise Enterprise Applications using Java, Spring, Python, and Angular achieving 100% customer expectations.

- Developed a migration solution of one one-premise application to the cloud using CI/CD pipelines, AWS Lambdas, serverless framework, Python, Django APIs, and Angular improving scalability, availability, and saving cost by 80% by removing an on-premise server.

Core Skills

Python, Flask, FastAPI, Asyncio, RESTful APIs, Web Services, Web Development (HTML/CSS/JS), PostgreSQL, Debian GNU/Linux, Server Orchestration, IT Security, Software Quality, Unit Tests, Integration Tests, Code Reviews, Scalable Solutions, High Availability Solutions, CI/CD, Cloud Computing, AWS, Agile Scrum, OOP, SOLID Principles, Data Engineering, ETL, Spark, Kafka, Airflow, Data Analytics, Software Development, Backend Development, Graphical User Interfaces, Cloud Infrastructure, Cloud Services, Computer Science, Relational Database, Software Solutions, Web Technologies, Partnership, Team Spirit

Education

Swami Keshvanand Institute of Technology

Dec 2018

Bachelor of Electrical Engineering

Certificates

AWS Certified Solutions Architect – Associate

Dec 2020

Microsoft Certified: Azure Fundamentals

Jul 2021