PEDDIREDDY HITESH REDDY

Data Engineer | DevOps Engineer | Angular | Python Expertise | AI Agents

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SUMMARY

Experienced data and DevOps engineer skilled in building scalable data pipelines and microservices, with a strong record of modernizing legacy workflows using Apache Airflow, Spark, and Kafka. Demonstrated ability to deploy robust solutions on OpenShift and Kubernetes, automate CI/CD with Tekton and GitHub Actions, and develop secure Angular applications with Python Flask and OKTA, adding advanced capabilities like spark and Kafla to data engineering projects. Consistently reduced data processing times by over 90% and improved deployment efficiency. Knowledgeable in AI agents development, Generative AI, LLMs, Langraph, and Langchain. Seeking to deliver impactful, next-generation solutions leveraging cutting-edge tools.

EXPERIENCE

Software Engineer
SYNXA IT PVT LTD
📅 07/2023 - Present 📍 Telangana, India

A technology company focusing on software solutions.

- Deployed Airflow application using Helm Charts, Argo CD, and OpenShift; migrated legacy SSIS jobs to Airflow DAGs with Python and Spark, slashing job execution time from 2 hours to 20 minutes.
- Implemented Apache Kafka with Streams for Apache Kafka on OpenShift; migrated jobs to Kafka streaming with producer-consumer architecture, boosting upstream and downstream job efficiency..
- Hosted standalone Spark on OpenShift via Helm Charts, enabling autoscaling and dynamic execution; cut Airflow job times from 20 minutes to 2 minutes, achieving a 2-hour-to-2-minute reduction.
- Developed Tekton Pipelines for CI/CD automation, streamlining Bitbucket repository deployments and enhancing development efficiency.
- Deployed GitHub Actions Pipelines for CI/CD, enabling seamless, automated deployments for GitHub repositories.
- Built a full-stack Angular app with Python backend, deployed as a microservice on OpenShift with OKTA authentication, ensuring secure, scalable functionality.

Junior Software Engineer
EPAM SYSTEMS
📅 01/2023 - 07/2023 📍 Telangana, India

A global provider of software engineering and technology services.

- Worked on CSharp, WinForms, Asp.net webforms, Asp.net MVC, Asp.net Core, Entity Frameworks, Unit Testing, Web Services, Web API, Rest, Soap, Sql server, Git, Jira, Agile Methodologies react js, angular js.

EDUCATION

Bachelors in Computer Science
SVNE UNIVERSITY
📅 08/2019 - 05/2023 📍 AP, India

Senior Secondary
SRI CHAITANYA JR. COLLEGE
📅 06/2017 - 06/2019 📍 AP, India

Secondary
DR. KKR'S GOWTHAM SCHOOL
📅 06/2015 - 06/2017 📍 AP, India

CERTIFICATION

Azure AI Data Fundamentals (AZ-900)
Microsoft

Google Cloud Fundamentals - Core Infrastructure
Google Cloud Skills Boost

AWS Academy Graduate - AWS Academy Cloud Foundations
Amazon Web Services

Joy of Computing with Python
NPTEL

SKILLS

Agile · Agile Methodologies · Git · BitBucket · Airflow · Openshift · Apache Kafka · Kubernetes · Docker · Angular · Flask · Langraph · Langchain · MS SQL · ArgoCD · Tekton · Github Actions · Spark · Helmchart · LLM · JIRA · Microservices · AI Agents

PROJECTS

Youtube News Reader AI Agent
📅 06/2025 - Present

AI Agent for News reading in Youtube channel

- AI Agent Fetches the news from Internet, restructures that with human based text using Gemini LLM, Converts the text to speech with emotions in the voice using eleven Labs, Creates background visualization videos bytes using Google veo3 and generates a complete video to upload for youtube

Resume Enhancer Agent based on JD and ATS
📅 07/2025 - Present

AI Agent to Enhance the resume based on JD and ATS

- AI Agent takes resume and JD and scan against the ATS api to find the score based on the score and feedback it uses LLM to restructure the rsume until ats score gets more than 90%

Standalone Spark Cluster
📅 2025 - Present

A Project Aimed at improving the Performance of Our Data Pipelines

- Hosted standalone Spark on OpenShift cluster via Helm Charts, introducing autoscaling and dynamic execution; reduced Airflow job execution time from 20 minutes to 2 minutes, achieving a total reduction from 2 hours (SSIS) to 2 minutes.

Realtime Data Streaming with Kafka and Airflow
📅 09/2024 - Present

Real-time data Streaming to destination servers using Kafka and Airflow

- Replaced a scheduled data pipeline with a 24/7 real-time streaming process, reducing the job completion time from 3 hours to under 1 minute

MODERNIZING LEGACY PIPELINES USING AIRFLOW
📅 11/2023 - 11/2023

A project aimed at enhancing the performance of existing data pipelines.

- Modernized and scheduled jobs using Apache Airflow with Okta Authentication and deployed in Openshift Platform, improving performance drastically.

SALES DASHBOARD APPLICATION
📅 02/2024 - 11/2024

A self-service application to manage sales and customer interactions.

- Frontend developed using Angular, Backend using Py flask, database using Sql server, Dockerized the application and deployed in Openshift Platform.