

GEETA MATH

Software Engineer

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SUMMARY

Results-driven data pipeline manager proficient in Python and MongoDB. Successful track record in optimizing data flow, resolving issues, and conducting root cause analyses. Collaborates cross-functionally to ensure data quality. Adept in developing custom data scraping frameworks like CIS (Competitive Intelligence in Python), utilizing XPath expressions and Chrome's console for efficient web scraping.

PROFESSIONAL EXPERIENCE

Associate Software Engineer

02/2022 - 02/2023

DeepCompute Pvt.Ltd, Bengaluru

Bengaluru , India

- Spearheaded the daily management of the company's data pipeline, ensuring the timely and accurate transfer of data from various sources to the databases.
- Collaborated effectively with team members to streamline data flow, minimizing disruptions to data quality and integrity.
- Proactively identified and resolved issues, guaranteeing the accuracy and completeness of the data on an ongoing basis.
- Conducted root cause analyses of data pipeline issues, working collaboratively with cross-functional teams to address underlying technical problems.
- Developed and maintained a custom data scraping framework, CIS (Competitive Intelligence in Python), for extracting data from diverse sources, including web pages.
- Configured the framework to automate the deployment of extracted data to the database, ensuring efficiency in the data scraping process.
- Utilized XPath expressions for data scraping, testing and refining them using Chrome's built-in console.
- Successfully scraped and processed data from various web pages, contributing valuable insights to the company's competitive intelligence efforts.

Backend Developer(Apprenticeship)

08/2021 - 02/2022

BridgeLabz

- Developed a project in Django using the rest framework, implementing JWT, Celery, and Redis for enhanced functionality.
- Engineered a Django-based project utilizing the rest framework, featuring JWT, Celery, and Redis for efficient operations.
- Developed a Login & Registration API incorporating JSON Web Tokens (JWT) for secure authentication and authorization, ensuring the protection of user data.
- Implemented serialization for user registration using Django, enhancing the efficiency and security of the registration process.
- Built a robust RESTful CRUD API using Python, enabling users to perform Create, Read, Update, and Delete operations through HTTP requests.
- Integrated Redis for efficient caching and data retrieval, optimizing the API's performance and responsiveness.
- Tested the API thoroughly with Postman to verify functionality, identifying and resolving bugs or issues to ensure a seamless user experience.
- Implemented comprehensive error handling and logging mechanisms, facilitating quick identification and resolution of issues or errors during API usage.
- Developed strong skills in Python and Django, contributing to the creation of robust and scalable web applications.

ACHIEVEMENTS

Seamless Data Transfers

Orchestrated the seamless transfer of data, significantly reducing disruptions and elevating overall data quality.

Proactive Issue Resolution

Proactively identified and resolved issues, playing a pivotal role in ensuring the continuous accuracy and completeness of the company's data.

CIS Framework Development

Developed and maintained the CIS framework, optimizing the data scraping process and amplifying competitive intelligence capabilities.

Root Cause Analyses Leadership

Led successful root cause analyses, collaborating with cross-functional teams to address technical challenges and enhance data pipeline efficiency.

SKILLS

Tools

Python · MySQL ·

Django REST Framework · MongoDB ·

API · ProstgreSQL · Linux Basics · Git

Operating Systems

MacOs · Linux · Windows

EDUCATION

Bachelor of Engineering (Computer Engineering)

Appa Engineering and Technology(Visvesvaraya Technological University)