Raj Kishore sahni

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EXPERIENCE

Software Engineer -2

BigBasket   **April 2023 - Present, India**

· Implemented Kafka Delayed Retry Queue to enable delayed retries for event recovery in case of downstream API failures, achieving an impressive 90% reduction in failures.

· Refactored code for Multi-Tenant Architecture compatibility, enhancing API performance by 30% through concurrent execution via multithreading.

· Developed synchronous document creation APIs, adeptly managed high-traffic systems, optimized performance by 20%.

·Introduced a Fallback mechanism in BigBasket's reporting backbone service, utilizing graph algorithms for dynamic database switching during report data capture from diverse data stores.

· Played a pivotal role in enhancing the user experience by actively contributing to the seamless end-to-end integration of React with Django microservices, writing multiple APIs, and optimizing their performance while collaborating on frontend development and created a React-based UI from scratch.

· Successfully addressed prolonged processing times in the QR code generation API by implementing a callback mechanism and leveraging asynchronous methods, resulting in a substantial 98% reduction in failure rates.

Software Engineer -1

BigBasket   **October 2021 - March 2023, Bangalore, India**

· Revamped audit logging, transitioning from Django-based logs to a separate system, effectively reduced database load and enhancing performance.

· Audit logging yielded a 30% improvement in performance and data management. Able to free up 20% of database storage in the main database.

· Implemented a document creation flow using synchronous API for various document types using Java, Spring Boot, and Thymeleaf significantly improving API performance and CPU utilization by 20%.

· Implemented dynamic API-based retry counts, resulting in a 20% reduction in redundant retries, enhancing overall performance and reliability, while also showcasing proficiency in JUnit testing and code quality improvement within the microservice environment.

· Engaged in test-driven development, composing JUnit test cases to boost microservice code coverage by 60%.

PROJECTS

Chat Gpt Integration on Mysql database, Django Project

Personal

· Created a Django project integrating LangChain and OpenAI ChatGPT language models for enhanced database interaction.

· This powerful feature enabling users to effortlessly interact with databases using natural language queries.

· Enhanced performance and user experience by allowing users to ask questions in a natural language format.

Email Spam Filter python|Flask

Personal

· Used Naive Bayes classifier to predict email spam with high accuracy.

· Trained model on a comprehensive dataset for effective spam detection.

· Tested on extremely large data.

EDUCATION

Bachelor of Technology

Minor in Information Technology · Maharaja Agrasen Institute of Technology · New Delhi, India · 2021

SKILLS

Python, Java, Django, Spring boot, React, Javascript, Html, CSS, Docker, Kubernetes, Kafka, AWS, Low-Level Design, Kibana, Object Oriented Programming, Aerospike, New Relic