Kedar Takwane

📱 +1 (447) 902-0311 ✉ kedar@takwane.com 🔗 linkedin.com/in/kedar-takwane ⬡ github.com/kedartakwane 🌐 kedar.takwane.com

SUMMARY

Skilled Data Analytics Engineer with expertise in developing data pipelines using Apache Kafka, AWS, Terraform, Snowflake, DBT, and Airflow, and prior 3 years as a Software Engineer. Strong in designing reliable data pipelines and collaborating with stakeholders. Committed to continuous learning and solving complex problems to support data-driven growth.

WORK EXPERIENCE

Fetch, *Data Analytics Engineer* **April 2024 - Current**
- Piped referral events from Kafka to Snowflake, providing insights on new user behavior for data-driven decisions to boost engagement.
- Streamlined postback data from SKAdN to Iterable, enabling the marketing team to optimize campaign costs.

University of Illinois at Urbana-Champaign, *Research Assistant* **May 2023 - April 2024**
- Engineered data extraction pipeline utilizing BeautifulSoup improving data collection by 30% for accurate recommendations.
- Spearheaded the redesign of the search API architecture, facilitating seamless data transformation for the scraped data and submissions, streamlining the preparation for the loading process.
- Implemented loading process by writing to MongoDB and Elasticsearch index, resulting in 20% rise in more effective and streamlined recommendation.

eQ Technologic Inc., *Software Engineer* **July 2019 - July 2022**
- Designed a resilient, multi-threaded data processing pipeline for large-scale object migration across 2000 hierarchies globally, reducing migration time by 20%.
- Cross-functional collaboration with stakeholders to gain in-depth understanding of client requirements.
- Engineered Airflow DAG's to systematically upgrade production systems with minimal downtime.

BMC Software India, *Software Developer Intern* **August 2018 - May 2019**

SKILLS

Languages: Java, Python, C++, JavaScript, HTML, SQL
Databases: Oracle, MySQL, PostgreSQL, MongoDB, Neo4j
Libraries: NumPy, Pandas, D3.js, OpenAI APIs
Others: Docker, Kubernetes, Elasticsearch, AWS, Kafka, PySpark, Airflow, DBT, Terraform, Tableau

EDUCATION

University of Illinois at Urbana-Champaign **August 2022 - Dec 2023**
Master of Computer Science **GPA 3.9/4.00**

Pune Institute of Computer Technology **July 2015 - June 2019**
Bachelor of Engineering (Computer) **GPA 9.13/10.00**

PROJECT HIGHLIGHTS

Unit Test Generation using LLM and CodeQL ⧉ **September 2023 - December 2023**
- Deployed multi-turn prompts, advancing unit test generation and elevating accuracy by 15%.
- Enhancements in semantic code and mutant generation across multiple languages.

Forest Migration **October 2021 - May 2022**
- Collaborated closely with internal stakeholders and clients to define transformation rules.
- Developed a batch processing pipeline, leveraging multi-threading to enhance data transfer speed, mitigate bottlenecks, and increase system throughput by 20%.
- Applied optimization techniques to parallelize tasks such as relation creation and dataset migration, reducing latency by 15%.