

PRIYANSHU GANDHI

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Experience

Groupon

August 2023 – Present

Software Development Engineer- II

Bangalore, India

- Orchestrated the development of a cutting-edge data platform, facilitating seamless data migrations, ETL processes, unified data lineage and data governance solutions leading to a **40%** reduction in overall data processing time.
- Integrated data products that supported key business insights involving development, testing, optimizing SQL performance and deployment of data pipelines handling **500 GB/day**, driving a 25% lift in data-driven decision making.
- Conducted a comprehensive review of all pipelines and applied optimization techniques such as utilizing Spot VMs, updating configurations, parallelizing jobs, and cleaning up data resulting in cost savings of up to **\$700K**.
- Collaborated with Google Team on migration of a **petabyte** scale Data warehouse to the **Google Cloud Platform** involving migration of **700+** Data pipelines, slashing costs by **60%** while maintaining high performance.

LTIMindtree

August 2019 – August 2023

Lead Data Engineer

London, UK

- Spearheaded the engineering efforts of LTI's flagship data modernization and migration platform **Canvas PolarSled** and played a key role in successfully pitching it to **20+ clients** across US, Europe and APAC and contributing towards revenue stream of **USD 50+ million** YOY.
- Pioneered the migration of a **100+TB** capacity Data Warehouse on Snowflake, migrating **100K+** data objects, **5000+** **ETL's** serving Data Science, analyst and Business Intelligence teams across **16** business lines.
- Build the data migration and data reconciliation solutions using **Apache Spark** to migrate applications from giant **monolithic** architecture to **cloud based distributed** architecture reducing overall migration timelines by over **70%**.

Technical Skills

Programming/Web Tools: Python, Java, JavaScript, SQL, Pyspark, Flask, JSON, Django, Streamlit

Packages: Pandas, Numpy, Dask, Pytorch, Keras, OpenCV, LangChain, Llama-index

Databases/ Warehouse: Snowflake, Redshift, BigQuery, Teradata, MySQL, Oracle, Hadoop/Hive, MongoDB

Platforms/Tools: AWS, GCP, Azure, Git, Databricks, CI/CD, Docker, Apache Spark, Kafka, Airflow

Certifications: SnowPro Core, AWS Solution Architect, Databricks Developer Associate, Azure Data Engineer, Scaler- Data Structures and Algorithms, System Design

Projects

Columbus Migration | *Python, SQL, OrientDB, AWS, Snowflake, Teradata*

November 2022

- Conceptualize the modernized data warehouse architecture with features such as scalability, availability, fault tolerance, enhanced performance and cost effectiveness by eliminating the existing technical debts and performance gaps.
- Led a team of Python developers in development of Graph based clustering and prioritization application using Python, Docker and OrientDB to capture relationships, dependencies, lineage and build the best release plan for migration.

STARS Replatforming | *Python, Spark, SQL, Teradata, Snowflake, AWS, Multithreading, Dask*

November 2021

- Enhanced the efficiency of data ingestion and validation framework by adding code optimizations to split data in chunks and compress in parallel thereby improving the performance by 20X compared to original speed.
- Developed a Spark based reconciliation tool to compare the data across the platforms in parallel leading to automation of over 70+ % in testing pipelines.

Canvas PolarSled | *Python, SQL, React, Flask, HTML, Javascript, Machine Learning*

October 2020

- Streamlined and engineered Canvas PolarSled product with microservices which reduced the manual migration efforts by 60% and garnered best Innovation award at the Snowflake Summit among 100+ clients/partners.
- Innovated a Python based Intelligent transcompiler engine for automated legacy code translation which converts complex SQL, PL/SQL, BTEQ scripts to a cloud compatible equivalent with multiple query engine support.

Education

Rajiv Gandhi Proudlyogiki Vishwavidyalaya

2015 – 2019

Bachelors of Engineering with Honors; Major in Computer Science

Indore, India

Leadership / Achievements

- Represented India globally at the Business Today International Conference by Princeton University in New York, USA from an applicant pool of 20000+ students and got featured in the Wall Street Journal.
- Awarded the brightest Engineer of India by Economic Times 2019 from among 37,000 engineers all over the country.
- Selected as one of the top 30 interns from all over the country for Google Tech Intern Connect at Google Bangalore.
- Secured a 4th Spot for Azure Cognitive service category in HackTheNorth, Canada one of the World's biggest hackathon. Hackerrank- 5 Star | CodeChef - 3 Star , Secured 52 global rank in CodeChef Starters Division 2 among pool of 5000+.