

## Personal information

- ## Professional Experience And Education

- ## Key Skills

- Proficient in using Spring Boot, Spring Cloud, Hibernate, Mybatis+Mybatis Plus, Redis, MySQL/Oracle and other technologies to lead the development of projects, and have independent experience and ability to solve problems in projects, with certain program optimization thinking.
- Proficient in using Linux daily operation commands, proficient in using k8s, docker and other tools for module release and deployment, and can independently build production k8s clusters and deploy online.
- Have some experience in concurrent programming and high availability architecture design, and can conduct targeted analysis for various business scenarios Familiar with common Databases such as MySQL, PostgreSQL, Oracle, DM.
- Familiar with data governance, and Proficient in using components of Hive, Flink and other to manager data and build data warehouse
- Have experience managing the whole process of large-scale projects, and good at summarizing, analyzing problems.
- Have led the construction of various business capabilities of data middle platform products, familiar with the planning and implementation of data warehouses, familiar with the construction of data tiered architecture, and can proficiently use SQL statements to build data tiers.
- CET-6

# Recent Project

## 1. Label Profile Platform (2020.5-2021.08)

- *Description*: The label platform chose Greenplum+RoaringBitmap as the basic computing engine implementation. It synchronizes label entity data and label calculation results from the data warehouse to the label engine, supporting real-time intersection, union, and difference analysis of tens of millions of labels and entities. It quickly implements functions like label grouping, label profiling, and label timelines. Combined with one-click query capabilities, it provides fast search and label profiling for each label entity, displaying the label trajectory and label cloud map for entity profiles.
- *Technical selection* :
  - gpdb、roaring bitmap、Redis、Spring boot、Mysql、Elasticsearch、docker
- *My role in the project* :
  - Implemented core functionalities including label result operations, entity data aggregation, label data aggregation, and label entity sequence generation.
  - Authored generic 'and', union, and 'not' methods; parsed bitmap supported intersection, union, and difference expressions for fast paged query of operation results.
  - Product interface design and planning; wrote product white papers and detailed designs; developed database functions.
  - Project management: Agile project management. Using ZenTao to follow up on project progress.
  - System operation and maintenance: responsible for ci/cd construction and containerized service deployment in multiple environments, Harbor manages mirror warehouses.
- *Project outcome* :
  - This platform has been deployed and used in multiple projects. Taking the Guangzhou SuiZhiGuan project as an example, it built a label system for 40 million mobile and resident population in Guangzhou, playing an important role in obtaining COVID-19 vaccination information at that time.

## 2. DTI Data Middle Platform

- *Description*: the data middle platform integrates major capabilities like data collection, data development, data governance (standards, quality, security, etc.), data services, data sharing and exchange, and data operations. Its purpose is to ingest data from various sources into a unified data warehouse for processing, and then share and serve the data based on permissions, enabling data empowerment and value generation. It is the foundational data hub and core of most big data projects.
- *Technical selection* :
  - React、Redis、Spring Cloud、Mysql、Elasticsearch、CAS、Kubernetes、DataX
- *My role in the project* :
  - Handled product installation, deployment, and automated release scripting.
  - The data services platform of the data middle platform can define custom data APIs to query data warehouse tables through configured interfaces, enabling data warehouse services. It also supports third-party RESTful external service routing, authentication and ratelimit..
  - Planned the overall interface functions, layouts, and participated in or led the design and architecture selection for each core module.
  - Led the overall core development of the data aggregation platform, which extracts and loads data from various business databases into the data warehouse,

supporting scheduled ETL tasks and various custom operator extractions. Designed the overall architecture, functionalities, and developed some core operators..

- *Project outcome:*
  - After the data center product is launched, it will be updated and iterative, and will continue to support all big data projects in the company.

### 3. Data Query and Analysis Platform

- *Description:* A multi-table analysis and query platform, with functionalities including one-click query, batch query, single table query, etc. It could query and return hit counts and highlight keyword matches from multiple table data records under different scenarios. It also supported re-querying results, conditional combinational queries, saving frequent user queries, setting up data favorites, preferred column saving, freezing tables, etc.
- *Technical selection :*
  - React、minio、Spring boot、Mysql、trinodb、es
- *My role in the project :*
  - Developed the one-click query, batch query modules..The data services
  - Implemented multi-condition combination generic modules, user favorites, preferred column saving, search highlighting, and other functionalities..
  - Responsible for building and saving dynamic catalogs.
  - Authored data analysis comparison SQL statements.
- *Project outcome:*
  - The platform was applied in multiple projects, solving real-time query and analysis problems for big data. It was also useful for data extraction and comparison between different databases.

### 4. Data Analysis Collision Platform

- *Description:* This project included spatio-temporal collision analysis, trajectory analysis, associated analysis of data, while also requiring real-time queries and bulk export of the original data. It needed to support daily batch imports of large amounts of data into the database for storage and query. For each data type, a separate frontend interface was required for data profiling.
- *Technical selection :*
  - es、gis、Spring boot、vue、hbase、geohash
- *My role in the project :*
  - Developed core modules for spatio-temporal collision, trajectory traceback, and associated analysis.
  - Developed data profiling, data sharding and loading, and the main data query methods.
  - Handled overall project release, and designed the overall interface layout.
- *Project outcome:*
  - Due to business confidentiality agreements, I can tell more about the business aspect

Hello, my name is lxj, I am glad to have the opportunity to introduce myself here. I graduated in 2012 from Guangxi University with a degree in Communications Engineering.

I have been working on Java related projects for about 10 years and am currently in a technical manager position at this company.

My responsibilities here include product design, requirements analysis, coding, and development management.

Recently, I have been more involved with big data and data governance related projects, and have rich experience in data warehouse planning and data governance.

I adhere to agile values and enjoy collaborating with team members.

In my spare time, I like sports, reading, and learning new knowledge.

I am eager to continuously improve myself and hope to join a team where I can contribute my skills.