

# Case Study - DIOBANK

## 1. DIOBANK

### 1.1 About DioBank

DioBank is the digital bank of the DIO (Digital Innovation One) community, created with the purpose of transforming people's relationship with money in a simple, transparent, and accessible way.

More than just a bank, DioBank is a financial empowerment platform designed for developers, creators, and professionals of the new digital economy.

Inspired by modern institutions such as Nubank and Will Bank, DioBank is born with the mission to raise the conventional standards of customer service by offering simplified banking services, cutting-edge technology, and a fully user-centered experience.

Responsible, innovative, and inclusive, DioBank delivers financial solutions that speak the language of the tech community: free of bureaucracy, fast and secure, and with features that keep up with their audience's digital evolution.

### 1.2 Objectives

Your goal, as a developer, is to create an artificial intelligence agent specialized in SQL queries that can interact naturally, efficiently, and intelligently with data analysts and business professionals. This agent will be responsible for interpreting natural language questions - such as "Who are the 5 clients who made the largest deposits?" or "What is the average value of withdrawal transactions?" - and converting them into optimized SQL queries, generating fast and accurate responses from a relational database.

This initiative aims to streamline communication between the Business Intelligence (BI) team and the business team, reducing technical bottlenecks and increasing analytical autonomy for non-technical teams.

Using a simulated database with tables such as clients, addresses, transactions, and payments, the system will be able to understand context, correlate information, and present insights that add strategic value to

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decision-making.