**Why did we choose our database?**

For the purpose of organizing IBM employee’s data into a structured database, we have selected PostgreSQL as our database management system. It provides the necessary tools and capabilities to handle complex data securely and efficiently.

PostgreSQL is an open-source relational database, which offers flexibility and customization options. It’s crucial for meeting our specific needs for this project where we have diverse datasets found in the IBM employee data which ranges from basic numerical values to more complex text and structured formats. With its support for a wide array of native data types, PostgreSQL handles the variety of our data types ensuring that all data types are efficiently managed correctly. Moreover, PostgreSQL excels in optimizing query performance through its powerful indexing capabilities. This feature is important when dealing with large datasets such as ours. It ensures that data retrieval is optimized for our specific demands which improves the efficiency of data processing and engineering.