Tekmalia's IT and AI Services

Transforming Business with Data Integration and AI-Driven Solutions

Introduction to Tekmalia's IT Services

Brief Overview:

Tekmalia offers a full spectrum of Information Technology services, including:

- Data Integration

- Website & Mobile App Development

- Financial Advisory Services

- Security & Access Management

- Data Analytics and Reporting Solutions

Focus on AI

We specialize in applying AI technologies, such as chatbots, to enhance productivity and streamline workflows by integrating your organization's data into a unified, accessible format.

Introducing AI Services

Why AI Matters ?

- AI helps businesses efficiently manage and access their data, saving time and improving decision-making.

What we Offer ?

- Data Lake Infrastructure: Aggregating multiple data stores into a unified system.

- AI Chatbot Development: Custom-built chatbots for data retrieval.

- Role-Based Access: Ensuring data privacy and information classification.

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Our Projects

Project 1: AI-Powered Productivity Enhancement

Project 2: AI Integration with Financial and HR Systems

Project 1: AI-Powered Productivity Enhancement

Client's Challenge:

- Data was fragmented in different formats (PDFs, Docs, Excel, PowerPoint) across various public and private drives.

- Emails were hosted on multiple platforms such as Google Workspace and Microsoft 365.

- Financial records and inventory data were stored in ERP systems, with additional data from third-party applications (e.g., mobile apps, websites, HR systems).

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Our Solution:

- We built a centralized data lake to unify:

  - Files from shared drives

  - Emails from Google and Microsoft platforms

  - ERP financial data and inventory records

  - Data from third-party applications (mobile apps, HR systems)

- Implemented an AI chatbot for:

  - Seamless data retrieval from the data lake.

  - Role-based access, ensuring that only authorized personnel can retrieve specific data.

Results:

- **Improved Productivity:** Employees could quickly access files and information from different systems without manual searches.

- **Enhanced Decision-Making:** Managers could get real-time data insights via the AI chatbot, reducing bottlenecks.

- **Security:** The role-based access system ensured data privacy and security within the organization.

Project 2: AI Integration with Financial and HR Systems

Client's Challenge:

- Financial data spread across ERP systems, employee records in third-party HR software, and emails scattered across multiple platforms.
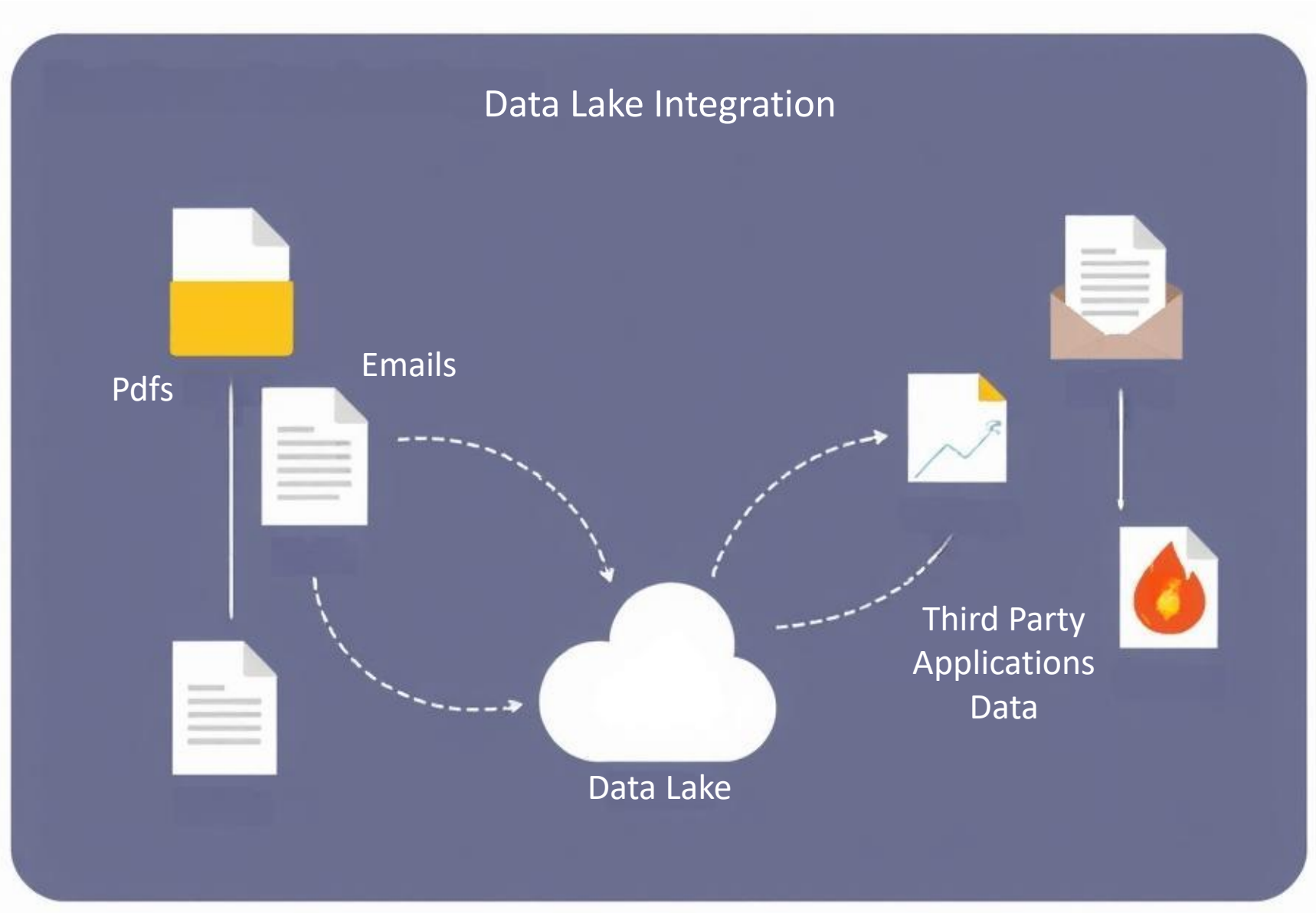
Our Solution:

- Consolidated all relevant financial and HR data (payroll, employee attendance, etc.) into a **central data lake**.

- Built an AI-powered chatbot to allow employees and managers to retrieve specific HR, payroll, and financial information based on their access levels.

Results:

- **Faster Financial Reporting:** The chatbot automated report generation by pulling data from various systems.

- **Streamlined HR Operations:** HR personnel accessed employee data, payroll, and attendance records instantly through the chatbot.
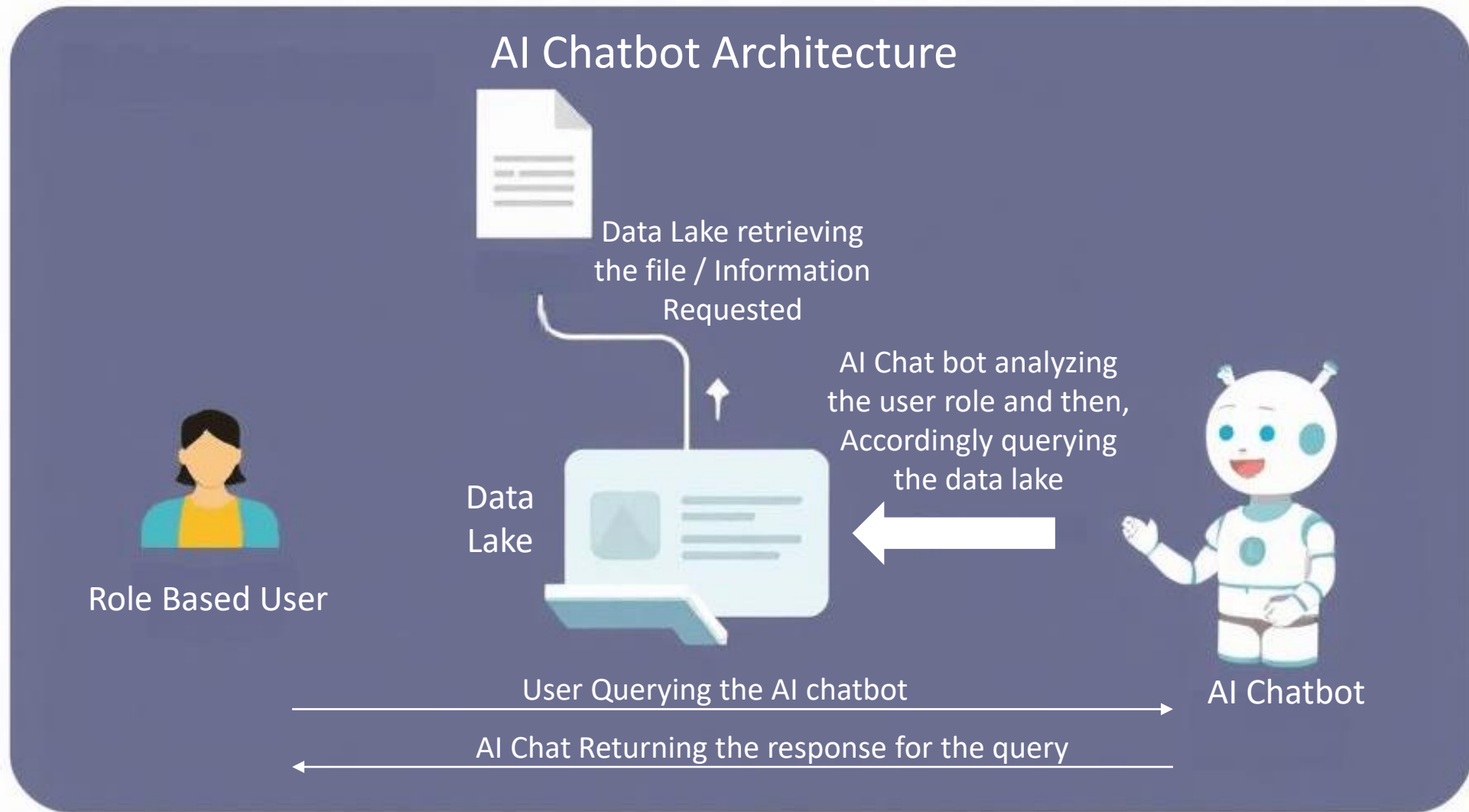
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AI Chatbot Architecture

Data Lake retrieving the file / Information Requested

AI Chat bot analyzing the user role and then, Accordingly querying the data lake

Data Lake

Role Based User

AI Chatbot

User Querying the AI chatbot

AI Chat Returning the response for the query

- Our AI and data science experts have implemented cutting-edge solutions for notable brands, including:

  - Aramex (Logistics & Supply Chain)

  - Du Telecom (Telecommunications)

  - Careem (Ridesharing)

- We bring this expertise to every project, ensuring top-quality, tailored solutions for your business.

Conclusion

Tekmalia is your partner for comprehensive IT services and AI-driven solutions that will help your business thrive by improving data access, enhancing employee productivity, and streamlining operations.

Contact Us :

E : info@tekmalia.com M: +97150-2165286 /+97150-5223572