

<https://github.com/DataVyn-labs/DataVyn-platform>

DataVyn Project

1. What is this project?

DataVyn is a data intelligence platform that connects multiple data sources and provides analytics, predictions, and actionable insights. It allows users to interact with their data using natural language, enabling easier decision-making without requiring deep technical expertise.

2. What problem does it solve?

Most businesses struggle to extract meaningful insights from scattered data sources. DataVyn solves this by centralizing data, automating analysis, and simplifying access through a chat-based interface, reducing dependency on analysts and speeding up decision-making.

3. Is this production-level and for revenue?

Yes, DataVyn is being designed as a production-level SaaS product. It has strong potential for revenue through subscription models, enterprise integrations, and premium analytics features.

4. Is this open source?

The core system is not fully open source to protect intellectual property. However, selected components or tools may be open sourced to build community and trust.

5. How will we scale it?

The system will scale using a modular architecture. Backend services will handle data processing and AI workloads, while the frontend will scale independently. Cloud infrastructure, containerization, and database optimization will ensure performance as user demand grows.

6. Tech stack

Frontend: Next.js, Tailwind CSS. Backend: FastAPI (Python). Database: PostgreSQL. AI Layer: LLM APIs and data processing tools. Deployment: Vercel for frontend and cloud platforms like AWS or Render for backend.

7. Initial file structure

The project follows a monorepo structure with separate frontend and backend directories. Backend includes modules for API routes, services, models, and utilities. Frontend includes pages, components, hooks, and API integration layers.