

March 17, 2025

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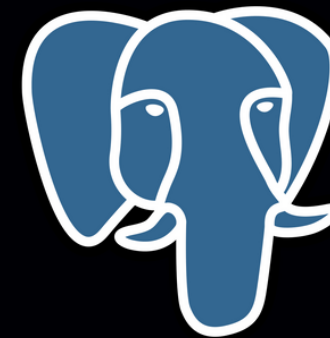
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Everything you need for
your next big step

DATABASE

SOLUTION STACK

- Migrated to PostgreSQL to efficiently handle native JSON structures and avoid using NoSQL databases.
- PostgreSQL allows advanced functionalities, including vector databases beneficial for AI integration.



BACKEND

SOLUTION STACK

- Provides core services essential for product functionalities.
- Handles user authentication processes and core business logic.



MIDDLEWARE

SOLUTION STACK

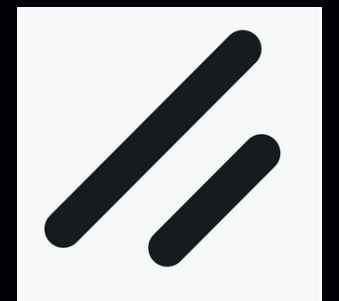
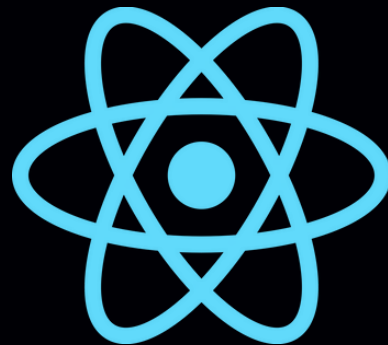
- Routes client requests to the server and manages data flow.
- Manages user authentication and session cookies.



FRONTEND

SOLUTION STACK

- Implements the interactive user interface for seamless user experience.
- Communicates with middleware services to manage user requests and display dynamic content.



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DATA ANALYSIS & AI

SOLUTION STACK

- Intended to develop FastAPI or Django-based APIs to manage AI and ML services.
- APIs will handle the execution of AI, machine learning, and OCR scripts.

*CURRENTLY IN THE
PLANNING PHASE;
DEVELOPMENT HAS
NOT STARTED YET*

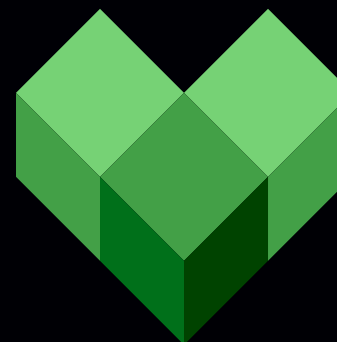


CLOUD & DEVOPS

SOLUTION STACK

- Ensures deployment, scalability, and reliability of all services.
- Manages containerized infrastructure and workflow orchestration.
- Handles ETL pipelines and model execution environments.

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MONITORING & ALERTING

SOLUTION STACK

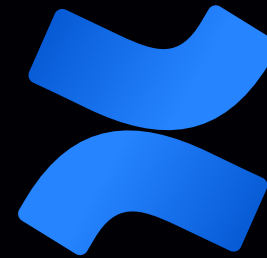
- Provides real-time insights on AI pipelines and infrastructure.
- Uses custom metrics and alerting rules to detect incidents.
- Supports reliability, incident response, and performance tuning.

*CURRENTLY IN THE
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COLLABORATION TOOLS

- Facilitation of team communication and task management.
 - Structured version control and comprehensive documentation.
-



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