

Pulse AI

DATA INTELLIGENCE

KNOWLEDGE AI

CONVERSATIONAL AI

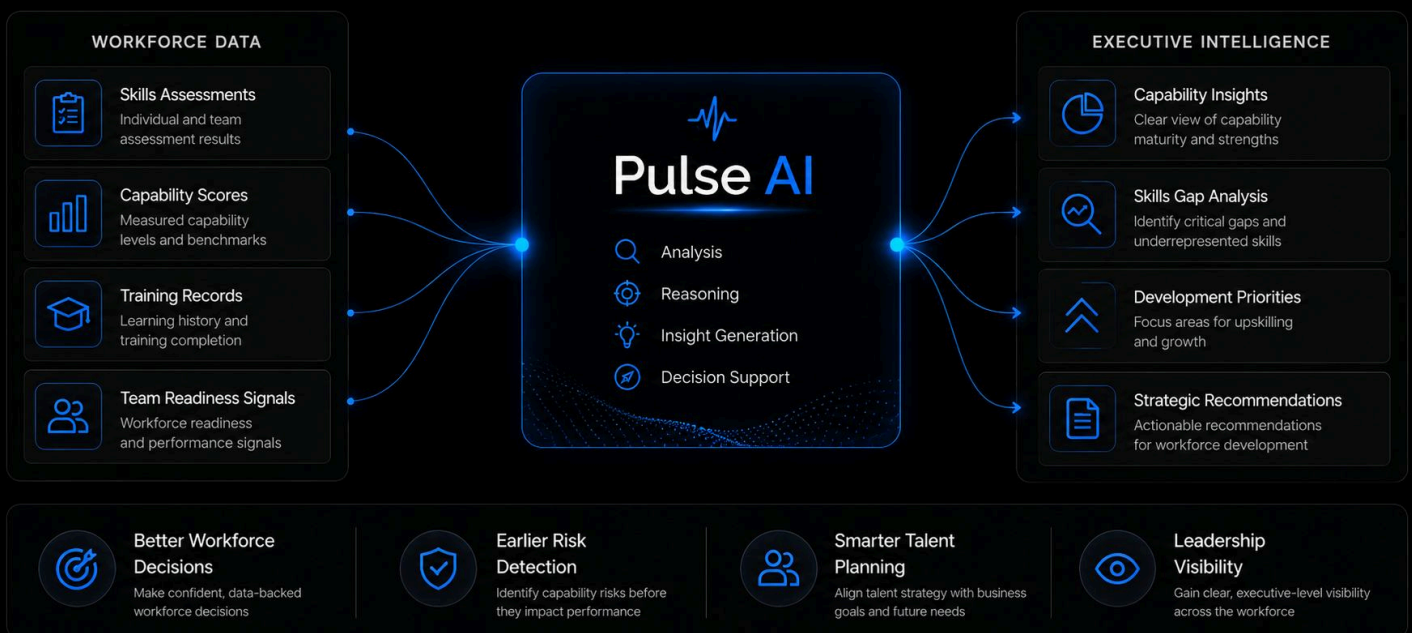
Building an Intelligent Rental Platform

Dial To Let uses artificial intelligence to solve two critical challenges within the rental ecosystem:

- Inconsistent property location data
- Repetitive rental-related user queries

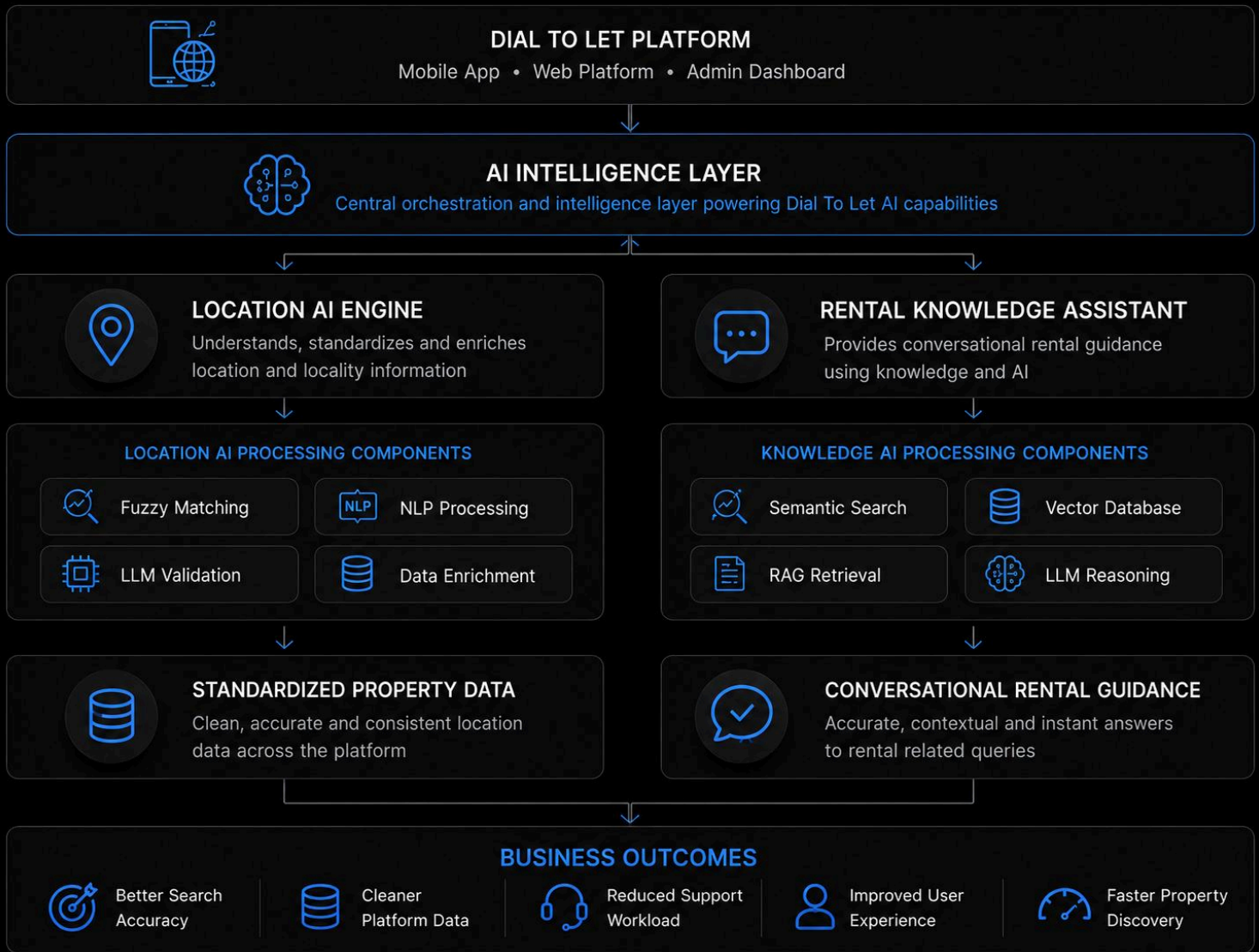
By combining Data Intelligence, Knowledge AI, and Conversational AI, the platform delivers cleaner property data, improved search experiences, and instant access to rental guidance.

RENTAL



AI Solution Architecture

AI Intelligence Layer Powering Dial To Let



Core AI Capabilities



Location Intelligence Engine

Automatically standardizes city and locality information using fuzzy matching, NLP, confidence scoring, and AI validation.

NLP FUZZY MATCHING ENTITY RECOGNITION

ENTITY RECOGNITION

Example:

Meharauli > Mehrauli, New Delhi



Rental Knowledge Assistant

Provides conversational rental guidance using semantic search, knowledge retrieval, and AI-generated responses.

RETRIEVAL-AUGMENTED GENERATION (RAG)

SEMANTIC SEARCH EMBEDDINGS LLMS

Example:

Can a landlord keep my entire deposit? > Contextual rental guidance generated instantly.

Technology Stack



Conversational AI

- Large Language Models
- Prompt Engineering
- Context-Aware Responses



Knowledge AI

- Retrieval-Augmented Generation (RAG)
- Semantic Search
- Vector Search
- Embeddings



Data Intelligence

- Natural Language Processing
- Fuzzy Matching
- Entity Recognition
- Confidence Scoring



Platform Stack

- Python
- PostgreSQL
- AWS
- REST APIs
- AI Processing Services
- Qdrant Cloud

Outcomes

Dial To Let demonstrates how artificial intelligence can be integrated into real-world rental workflows to improve data quality, enhance search experiences, and provide instant access to rental knowledge.



Better Property Discovery



Cleaner Location Data



Reduced Support Dependency



Improved User Engagement



Scalable AI-Powered Assistance



Enhanced Platform Intelligence