TP2 - Grupo 2 Redes - FIUBA

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Trabajo Práctico: Melodia

Grupo 2

[TA049] Ingenieria de Software II Segundo cuatrimestre de 2025

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1. Architecture Diagram

System Architecture Overview Client Layer - iOS & Android support - Real-time updates - Offline capabilities - Push notifications - Admin dashboard - Analytics & reporting - User management - System configuration Backoffice WebApp (React) REST/GraphQL API REST/GraphQL API Backend Services - API Gateway - Business Logic - Authentication - Data Management ML Requests - Authentication & authorization - Rate limiting - Logging & monitoring - Load balancing ready Database Operations ML Algorithms Data Processing Model Training Predictions File Storage External Integrations Model & Data Access Model Storage Data Layer External Services - Model serving - Batch processing - Real-time predictions - A/B testing support Database (PostgreSQL/MongoDB) ML Models & Training Data Third-party APIs Cloud Storage