

Ralph Creator Database Project

Project Architecture

Core Components

- Database Schema
- Backend API
- Frontend Application
- Authentication System
- AI Integration Layer

Setup Instructions

Prerequisites

- Node.js (v18+)
- PostgreSQL
- Railway.app account
- OpenAI API Key

Environment Setup

1. Clone the repository
2. Install dependencies: `npm install`
3. Set up environment variables
4. Initialize database
5. Run development server

Database Schema

Creators Table

- id (UUID)
- full_name (string)
- email (string)
- phone (string)
- social_handles (JSONB)
 - instagram (string)
 - tiktok (string)
 - youtube (string)
 - twitter (string)
- primary_content_type (string)
- audience_size (integer)
- engagement_rate (float)
- contact_date (date)
- source_of_contact (string)
- potential_projects (JSONB)
- notes (text)
- tags (string[])
- verified (boolean)
- created_at (timestamp)
- updated_at (timestamp)

Interactions Table

- id (UUID)

- creator_id (foreign key to Creators)
- interaction_type (string)
- date (date)
- project_context (string)
- notes (text)
- potential_fit_score (integer)

Key Features

- Secure user authentication
- Comprehensive creator profiles
- Tagging and categorization system
- AI-powered search and insights
- Export and reporting capabilities

Security Considerations

- Role-based access control
- Data encryption at rest
- Audit logging
- Regular backups
- Compliance with data protection regulations

Future Roadmap

- Machine learning recommendations
- Advanced analytics dashboard
- Integration with social media APIs
- Automated insights generation