Autolinium Office & KPI Management System

Core Development Strategy

We are following a **Single-Codebase Progressive Web App (PWA)** strategy. This allows us to build one high-quality Responsive application that provides a full desktop experience for Admins and an APP-like "installed" experience for Employees on mobile devices, ensuring data consistency and faster development cycles.

Technical Stack

FE

Frontend: Next.js (React Framework)

Utilizing React for dynamic UI and Next.js for high performance and server-side rendering. Styled with **Tailwind CSS** for a modern, responsive design system.

BE

Backend: Node.js (Express)

A high-concurrency JavaScript runtime used to build a robust RESTful API that serves data to both desktop and mobile users simultaneously.

DB

Database: PostgreSQL

An enterprise-grade relational database ensuring data integrity and allowing for complex queries required for KPI calculations and reporting.

ORM

Data Layer: Prisma ORM

A modern Type-Safe ORM to manage database translations, ensuring fast development and fewer runtime errors in data handling.

Implementation Roadmap

1. Core API & Database Engine (Backend Core)
2. Responsive Dashboard & KPI Engine (Admin Panel)
3. Employee Self-Service Mobile View (PWA Features)
4. Automated Analytics & Reporting