Project Tech Stack Overview

Frontend Application

Core Technologies

- **Language:** TypeScript
- **Framework:** React 18
- **Build Tool:** Vite
- **Package Manager:** npm

UI & Styling

- **Styling Engine:** Tailwind CSS (v4)
- **Component Primitives:** Radix UI
- **Icons:** Lucide React
- **Utility Libraries:** `clsx` , `tailwind-merge` , `class-variance-authority` (Indicating usage of shadcn/ui patterns)

Feature Libraries

- **Form Management:** React Hook Form
- **Data Visualization:** Recharts
- **Carousel/Slider:** Embla Carousel
- **Notifications:** Sonner
- **Date/Time:** React Day Picker

Backend API

Core Technologies

- **Runtime:** Node.js
- **Framework:** Express.js
- **Language:** TypeScript

Database & Storage

- **Database:** MySQL
- **ORM:** Prisma (v5.7.0)

Security & Infrastructure

- **Authentication:** JSON Web Token (JWT)
- **Encryption:** Bcrypt
- **Validation:** Zod
- **Security Headers:** Helmet
- **CORS Support:** cors
- **Logging:** Morgan