

Shared Housing Management Web App - Tech Stack

Frontend Stack

- Framework: React (with Vite)
- Language: TypeScript
- Styling: Tailwind CSS
- Routing: React Router
- State Management: Zustand or useReducer with Context
- Form Handling: React Hook Form with Zod
- Testing (Optional): Vitest + React Testing Library

Backend Stack

- Language/Framework: Node.js + Express
- Database: PostgreSQL
- ORM: Prisma
- API Format: REST
- Authentication: JWT with bcrypt
- Environment Variables: dotenv (.env)
- Deployment: Render or Railway
- API Testing: Postman or Insomnia