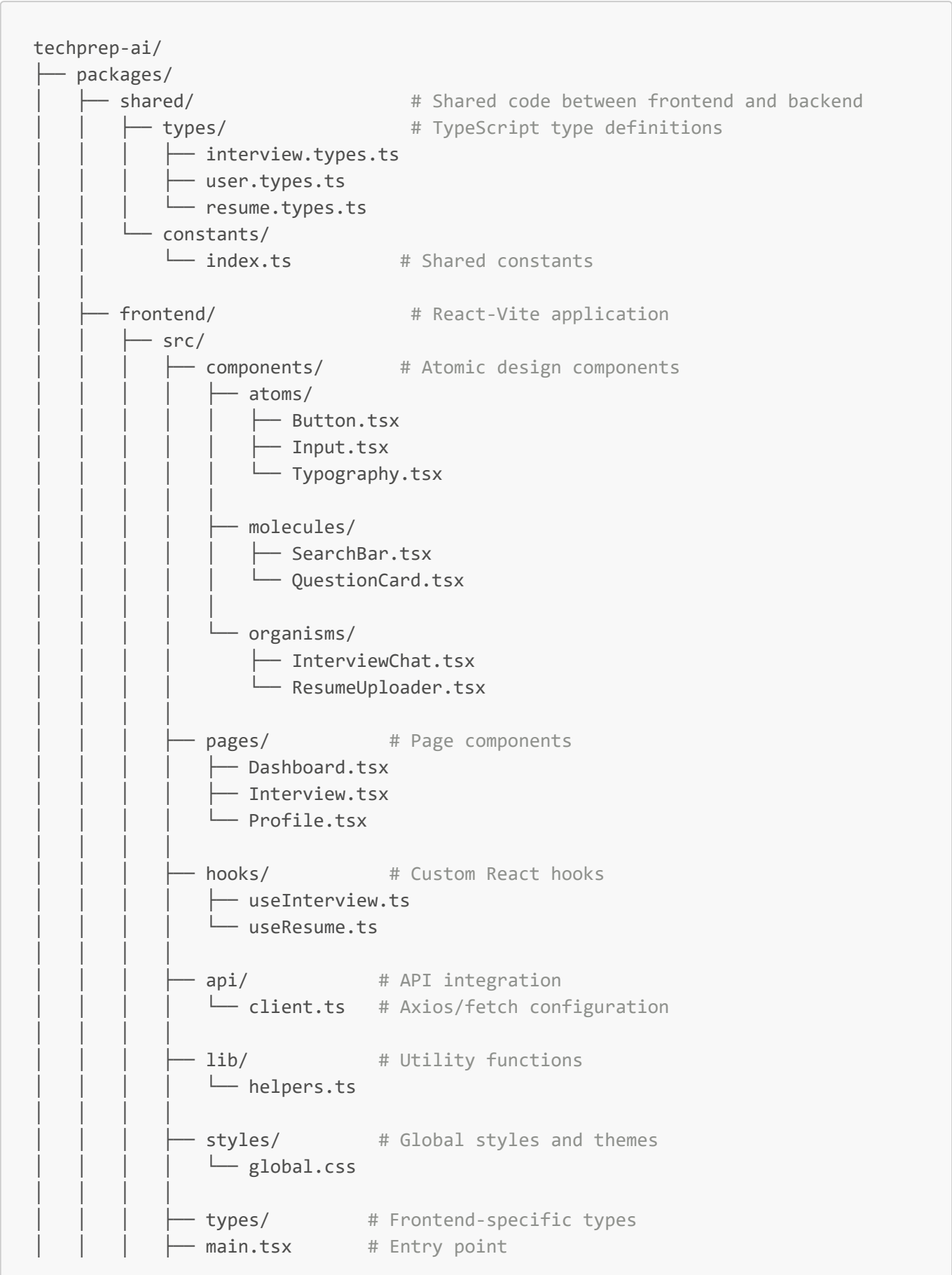


# Project Structure Documentation

## Monorepo Structure for React-Vite and FastAPI



```

├── App.tsx          # Root component
├── vite-env.d.ts    # Vite type declarations
├── index.html
├── vite.config.ts
├── tsconfig.json
├── package.json
├── backend/         # FastAPI application
│   ├── app/
│   │   ├── api/    # API routes
│   │   │   ├── endpoints/
│   │   │   │   ├── interviews.py
│   │   │   │   ├── users.py
│   │   │   │   └── resumes.py
│   │   │   └── deps.py # Dependencies and utilities
│   │   ├── core/   # Core configurations
│   │   │   ├── config.py # Environment settings
│   │   │   └── security.py # Auth configurations
│   │   ├── models/ # SQLAlchemy models
│   │   │   ├── user.py
│   │   │   └── interview.py
│   │   ├── schemas/ # Pydantic schemas
│   │   │   ├── user.py
│   │   │   └── interview.py
│   │   └── services/ # Business logic
│   │       ├── interview.py
│   │       └── resume.py
│   ├── tests/      # Backend tests
│   ├── alembic/    # Database migrations
│   ├── requirements.txt
│   └── main.py      # FastAPI entry point
├── package.json    # Root package.json
└── turbo.json      # Turborepo configuration

```

This structure is specifically optimized **for** React-Vite and FastAPI because:  
Frontend (React-Vite):

Uses **.tsx** extension **for** all React components to ensure proper TypeScript support  
Follows Vite's **recommended project structure with src/ as the main source directory**

**Implements atomic design while maintaining Vite's** conventions **for** static assets and configuration

Includes Vite-specific configuration files (vite.config.ts) and **type** declarations

FastAPI Backend:

Follows FastAPI's recommended project structure with app/ as the main package  
Separates concerns into models, schemas, and services  
Includes Alembic for database migrations  
Maintains Python package structure with requirements.txt

#### Shared Types:

The shared types package helps maintain consistency between frontend and backend by:

Defining interfaces that match FastAPI's Pydantic models

Providing type safety for API responses

Ensuring consistent data structures across the application

Would you like me to explain any specific part of this structure in more detail?

Or should we move on to documenting the technical stack choices in tech-stack.md?