Twenty Project Structure

The modern, open-source CRM platform. A sophisticated monorepo powered by Nx, utilizing a high-performance NestJS backend and a highly customizable React frontend.

Updated 2025-12-30

#twenty #crm #nx #monorepo #nestjs #react #postgresql #open-source

PNG PDF Copy Prompt

Project Directory

```
twenty/
  packages/ Internal & exte…
    twenty-front/ Main React appl…
      src/ Frontend source
      package.json
    twenty-server/ Main NestJS API…
      src/ Backend source
      package.json
    twenty-ui/ Shared UI compo…
    twenty-sdk/ Client SDK
    twenty-utils/ Shared utilities
    twenty-shared/ Types and const…
  nx.json Nx monorepo con…
  package.json Root workspace …
  docker-compose.yml Development env…
```

Repository Info

Repository - twentyhq/twenty

Stars - 18k+

License - AGPL-3.0

Last Analyzed - December 2025

Tech Stack

Monorepo Tool - Nx

Backend - NestJS (Node.js)

Frontend - React

Language - TypeScript

Database - PostgreSQL

ORM - TypeORM

Architecture Notes

Twenty is architected as an Nx monorepo, which provides exceptional tooling for managing dependencies between its many internal packages. It follows a clear separation between the API server (`twenty-server`) and the client-side application (`twenty-front`). One of its key strengths is the modularity of its UI components and utilities, which are extracted into their own packages to be reused across the platform and potentially by third-party developers.

Key Directories

packages/twenty-front/ - The React-based dashboard for the CRM

packages/twenty-server/ - A robust NestJS backend handling complex CRM logic

packages/twenty-ui/ - A standalone library of design-system-consistent components

packages/twenty-sdk/ - Tools for developers to interact with Twenty programmatically

Why This Structure?

Twenty represents the 'new wave' of open-source business software. It shows how to use modern monorepo tools like Nx to manage a large-scale TypeScript codebase. It's an excellent reference for anyone building enterprise-grade SaaS with a focus on modularity and extensibility.