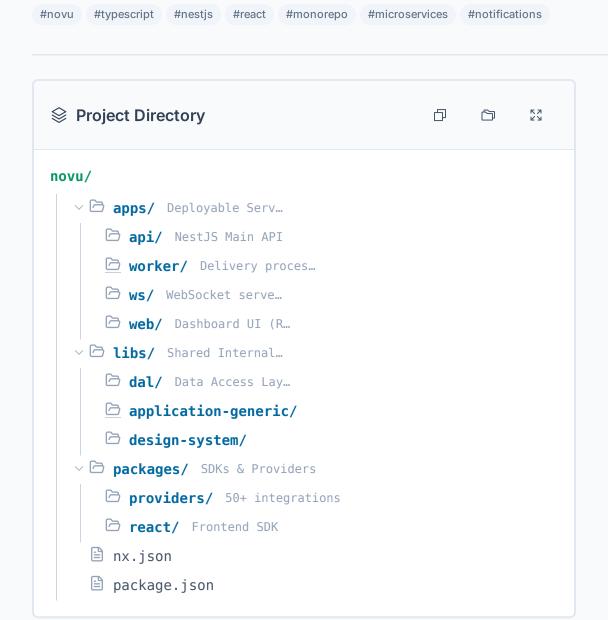
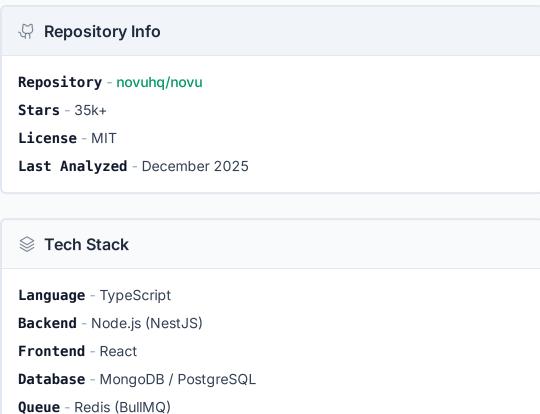


The open-source notification infrastructure. A sophisticated TypeScript monorepo designed for high throughput, separating API services from asynchronous delivery workers.

Updated 2025-12-30





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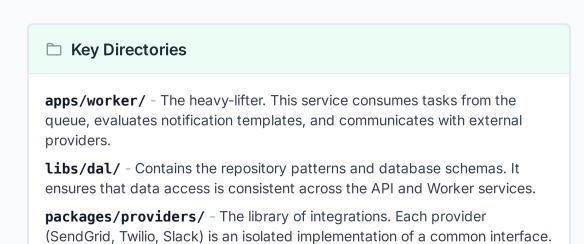
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## Architecture Notes

Monorepo Tool - Nx + pnpm

Novu uses a \*\*Microservices Monorepo\*\* architecture. The system is split into specialized applications: the api handles requests, the worker processes notification logic and delivery, and the ws handles real-time websockets. They use a \*\*Data Access Layer (DAL)\*\* library to abstract the database, allowing the core business logic to remains agnostic of the underlying storage engine. Asynchronous tasks are managed via a robust Redis-based queue system.



## **○** Why This Structure?

Novu is a prime example of an event-driven system built with TypeScript. It demonstrates how to scale an application by decoupling ingestion from processing and delivery.