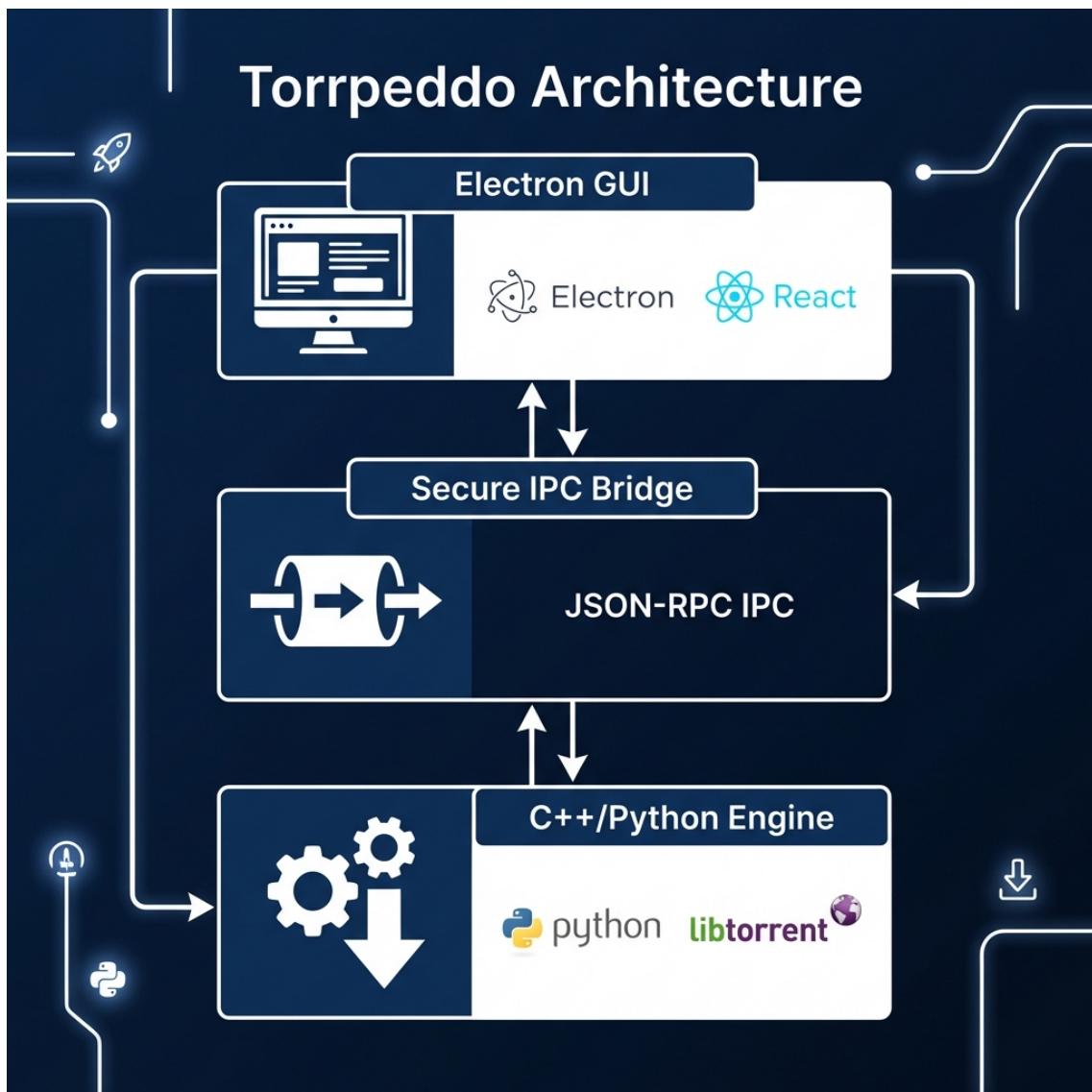


TORRPEDDO PROJECT BOOK



Executive Summary

Torrpeddo is an industrial-grade, premium torrent client designed for the modern desktop. Built primarily with Python and the Electron framework, Torrpeddo leverages the powerful `libtorrent` suite to offer a seamless, high-performance experience that bridges the gap between complex network protocols and professional user interfaces.

Architectural Deep Dive

Torpedo follows a decoupled architectural pattern, separating the presentation layer from the core logic and network engine. This is achieved through three primary layers:

1. Frontend: Electron Framework

[What is Electron?](#)

Benefits for Torpedo:

- Visual Excellence
- Reusable components to...

2. The Bridge: IPC (Inter-Process Communication)

[What is IPC?](#)

Implementation: Secure JSON-RPC

[Communication interface](#)

Why this approach?

- Decoupling:...

touching the UI.

3. Backend Engine: Python & libtorrent

The Core: libtorre

Multi-threaded Performance:

- Engine Level
- I/O, network polling
- multiple torrent f

Development Process & Methodology

The Torrpedo project followed a "Platform-First" methodology:

1. Language C
- of integration with

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