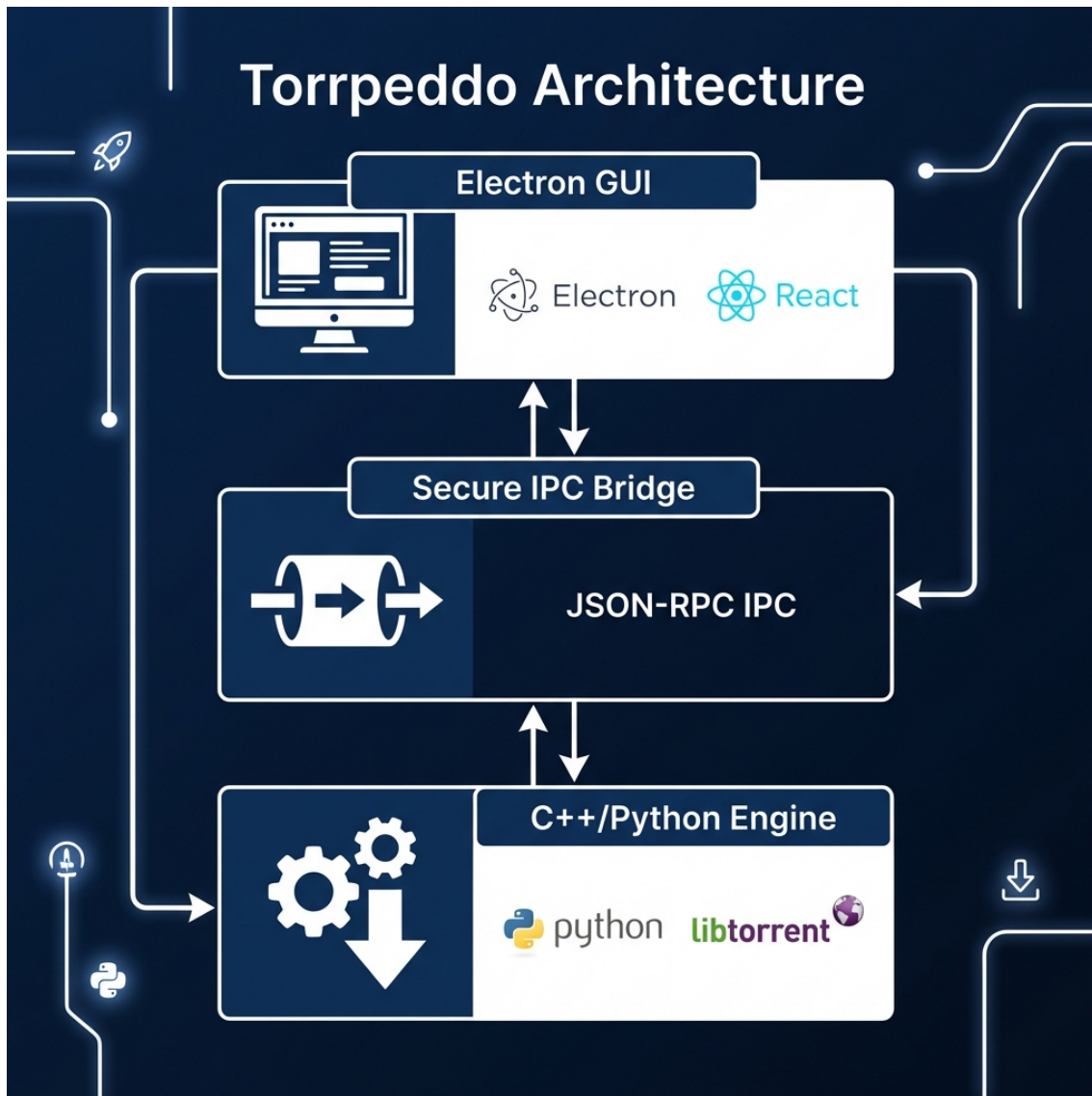


TORRPEDDO PROJECT BOOK



Executive Summary

Torpeddo is an industrial-grade, premium torrent client designed for the modern desktop. Built primarily with Python and the Electron framework, Torpeddo 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

Torpeddo 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 Torpeddo:

- Visual Excellence
components to c

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

What is IPC?

Implementation: Secure JSON-RPC

Communication i

Why this approach?

- Decoupling: "

touching the UI.

3. Backend Engine: Python & libtorrent

The Core: libtorrent

Multi-threaded Performance:

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

Development Process & Methodology

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

1. Language C
of integration with

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