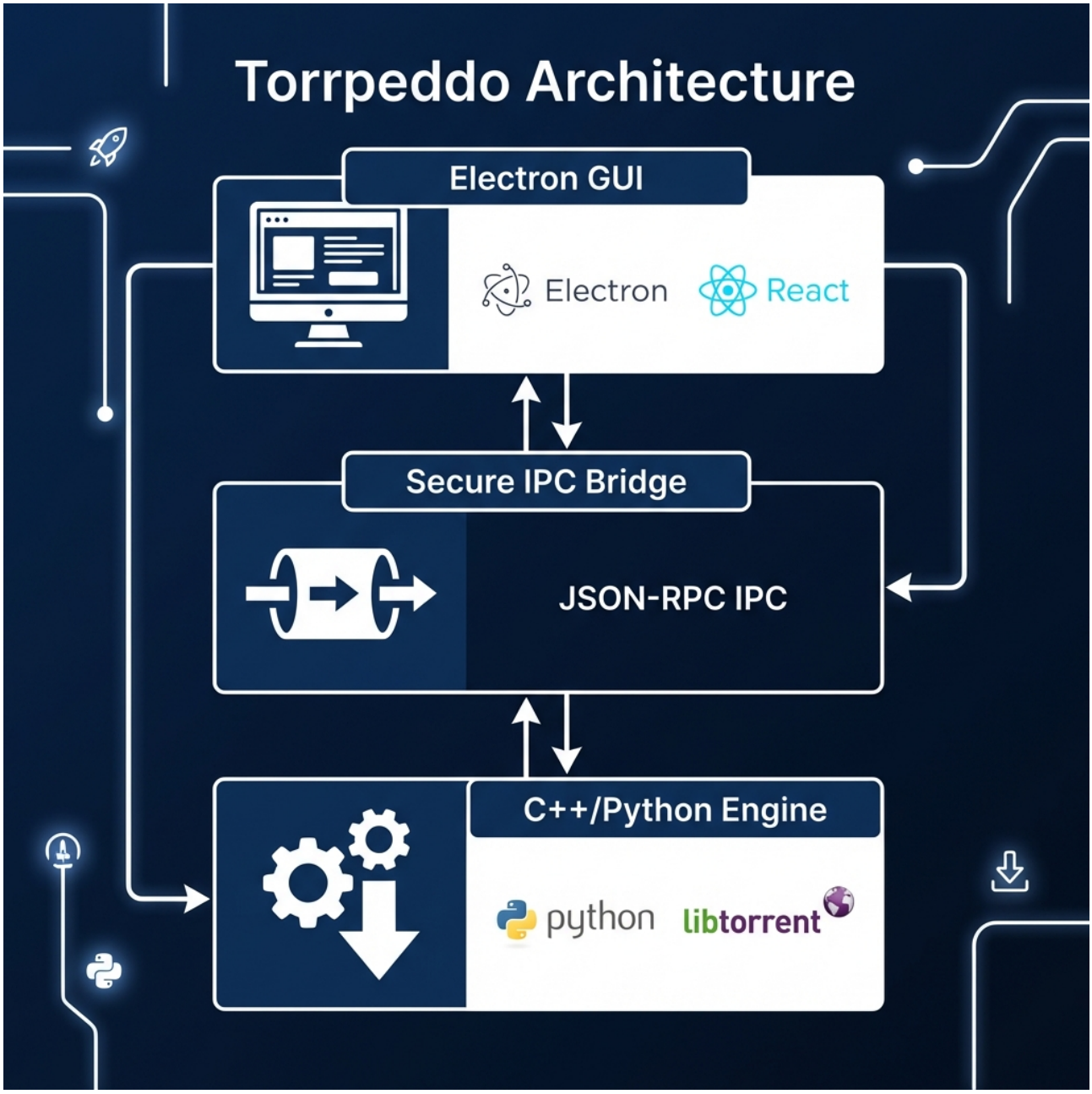
TORRPEDDO PROJECT BOOK



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

Torrpeddo 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

Benefits for Torrpeddo:

- **Visua

to create a

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

**What is

Implementation: Secure JSON-RPC

Communic

Why this approach?

- **Decou
touching th

3. Backend Engine: Python & libtorrent

**The Core

Multi-threaded Performance:

- **Engin
I/O, netwo
torrent frag

Development Process & Methodology

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

1. **Langu
integration

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