## **Goals / Target:**

- Ultra-low latency (target: <50ms)</li>
- Stealth operation (undetectable during screen sharing or process tracking)
- Industrial-grade deployment (secure, offline-capable, and license-controlled)

# Modified Project Structure (Low Latency + Stealth)

# Dev 1: UI/UX + Floating Overlay

## Responsibilities:

- Build GPU-rendered overlay using Tauri (Rust) or C++.
- Ensure frameless, transparent, and excluded from screen capture.
- Integrate:
  - Screenshot trigger
  - $_{\circ}$  Input bar
  - Response display
  - License expiry check

#### P Tech:

- Tauri + Rust or C++ with Qt
- SetWindowDisplayAffinity (Windows),
  CGShieldingWindowLevel (macOS)
- GPU rendering via Vulkan/DirectX

# Dev 2: Screenshot + OCR Engine

## Responsibilities:

- Implement native screen capture (no Electron).
- Use PaddleOCR C++ or EasyOCR with GPU for fast text extraction.
- Handle license validation and expiry logic.

#### Yech:

- Native OS APIs (Win32, Quartz, X11)
- PaddleOCR C++ (compiled binary)
- Local license file + encrypted expiry timestamp

# Dev 3: NLP Inference + Caching

## Responsibilities:

- Replace GPT API with local ONNX/TensorRT model.
- Use MiniLM or DistilBERT for fast contextual inference.
- Implement FAISS or SQLite for caching frequent terms.
- Add self-destruct logic post-expiry.

#### Tech:

- ONNX Runtime or TensorRT
- FAISS for vector search
- SQLite for logs and cache
- Obfuscation tools (UPX, Obfuscator-LLVM)



## Security & Stealth Enhancements

**Feature Implementation** 

**GPU** overlay, native window flags Undetectable UI

**Process Hiding** Rename binaries, obfuscate metadata

Offline Operation No network calls, local models

**License Control Encrypted license file + expiry** 

Delete binaries/config after expiry **Self-Destruct** 

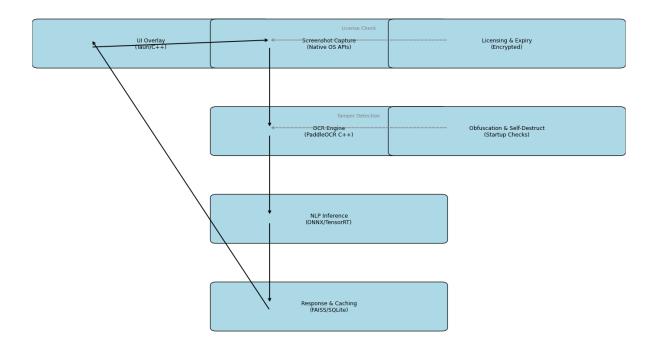
Tamper Detection Hash checks, anti-debugging hooks



## 🚺 Visual System Diagram Update

Here's your updated system diagram tailored for a lowlatency, stealth-first, industrial-grade application:

# Q Diagram Highlights



- UI Overlay (Tauri/C++): Always-on-top, GPUrendered, excluded from screen capture.
- Screenshot Capture: Native OS APIs for ultrafast, undetectable screen grabs.
- OCR Engine: PaddleOCR C++ for high-speed, local text recognition.
- NLP Inference: ONNX/TensorRT running MiniLM or DistilBERT for instant context.
- Response & Caching: FAISS or SQLite for subms retrieval of known terms.

- Licensing & Expiry: Encrypted license file with time-bound access control.
- Obfuscation & Self-Destruct: Startup checks for tampering, expiry-triggered cleanup.