



Technical Product Manager Portfolio

Chris (Kai-Hsien) Shih | 石楷賢

Bridging AI Tech & Business Strategy



MY PHILOSOPHY

I believe in disciplining chaos with logic. My goal is to build tools that automate the mundane, giving creators their time back.

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AI.KB.Assistant

Local-First Intelligent File Manager

- Intelligent Routing Logic
- Core Tech: Async Integration
- Privacy-Centric Architecture

2

AI Marketing Copilot

Data-Driven Brand Strategy Dashboard

- BHI V3.0 Algorithm Model
- 3-Tier System Architecture
- AI Strategy Automation

3

Design Philosophy

The Logic Behind the Logo

- Visual Identity Construction

AI.KB.Assistant

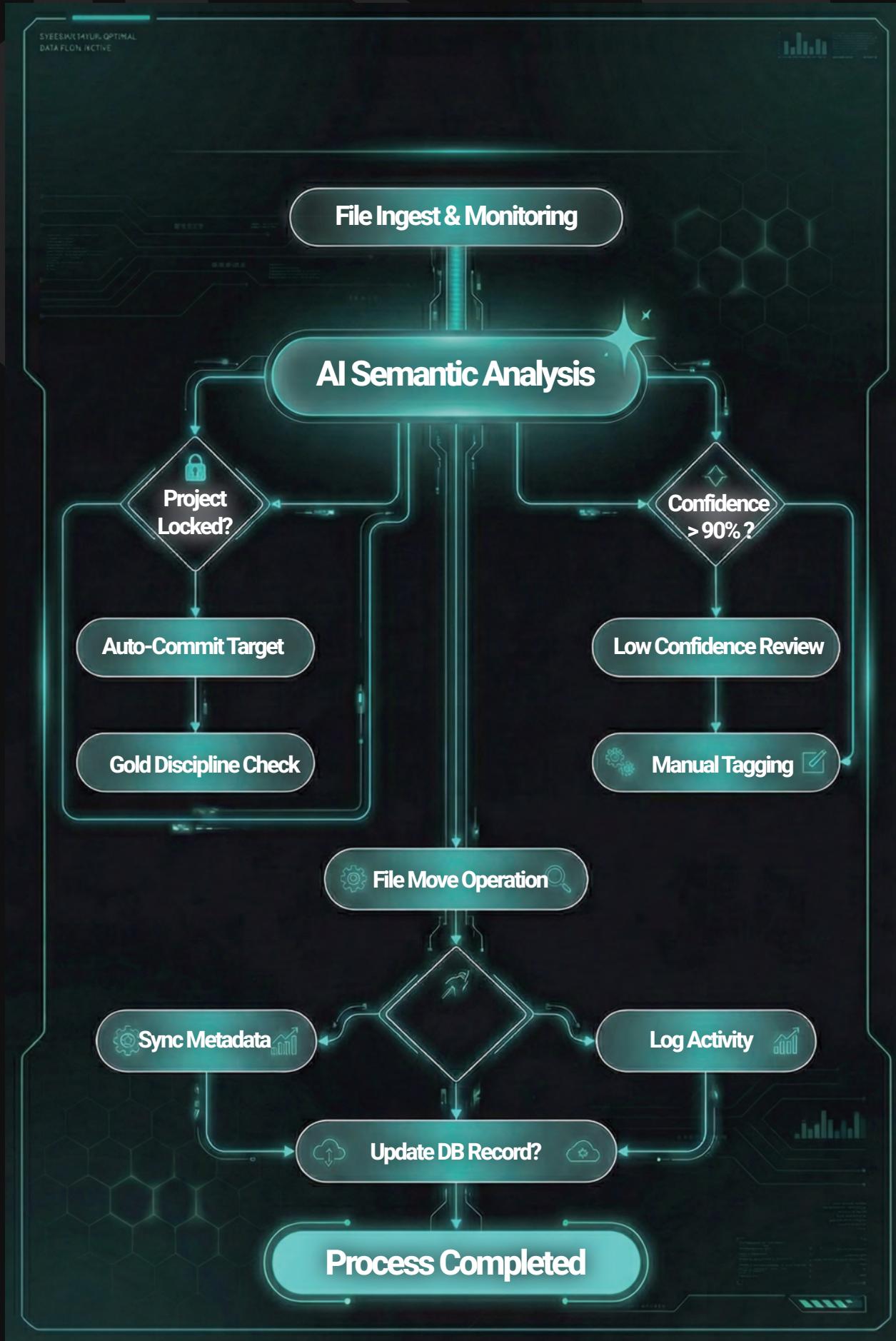
Local-First Intelligent File Manager



- Tech Stack: C# (WPF), Local LLM, SQLite.
- Highlight: "Privacy-First Design"

Intelligent Routing Logic

Automated Sorting Decision Tree



Core Technology: Async LLM Integration

Non-blocking API Communication Layer

The image shows a futuristic software interface with a dark, glowing blue aesthetic. On the left is a file explorer window titled "AI.KB.Assistant" showing a project structure with files like CompatShirms.cs, IIconelliger.cs, ProseesUltaus, AppConfig.cs, Item.cs, UIRow.cs, ConfigService.cs, DBService.cs, HeatfelderService.cs, IkdokrService.cs, LimService.cs, RoutingService.cs, ThemeService.cs, UlidateService.cs, Theme.xaml, InputDialog.xaml, LauncherWindow.xaml, MainWindow.xaml, MainWindVividwindowModel.cs, MoveCopyCartentlialog.xaml, SettingsWindow.xaml, TagPickerWindow.xaml, App.xaml, AssemblyInfo.cs, and Configuration.json. On the right is a large code editor window displaying C# code for "Core Logic: Async LLM Communication".

```
// Core Logic: Async LLM Communication
private async Task<string> GenerateTextAsync(string userQuery)
{
    // 1. Construct Payload (Data Structure)
    var payload = new
    {
        Contents = new[] { new { Parts = new[] { new { Text = userQuery } } } }
    };

    var jsonContent = new StringContent(
        JsonSerializer.Serialize(payload),
        Encoding.UTF8, "application/json");

    try
    {
        // 2. Async API Call (Non-blocking I/O)
        // The UI remains responsive while waiting for
        // LLM
        var response = await
            _client.PostAsync(_apiUrl, jsonContent);
        response.EnsureSuccessStatusCode();

        // 3. Parse JSON Response
        var jsonResponse = await
            response.Content.ReadAsStringAsync();
        using var doc =
            JsonDocument.Parse(jsonResponse);

        return
            doc.RootElement.GetProperty("candidates")[0]
                .GetProperty("content").GetProperty("parts")[0]
                    .GetProperty("text").GetString();
    }
    catch (Exception ex)
    {
        return $"Error: {ex.Message}";
    }
}
```

Why Local-First?

Privacy-Centric Architecture & Cost Efficiency



Cloud AI



Data Upload



High Cost



Network Delay

Local-First AI



100% Privacy



Zero Cost



Instant I/O

AI Marketing Copilot

Data-Driven Brand Intelligence & Strategy Automation

AI 行銷總監儀表板 V3.0

分析設定

主題名稱

Owala 品牌監測

包含關鍵字 (選項分隔)

Owala, 新花紋

排除關鍵字 (選項分隔)

廣告, 賽跑, 二手

選擇平台

PTT

Dcard

Twitter

新聞 RSS

AI 選項

AI 自動擴充相關詞

AI 情緒分析

執行分析

品牌健康度 (BHI V3.0)

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最新相關貼文 (來自 API)

- Owala如何打敗STANLEY成為新一代「水壺霸主」？李鄭限定織紋顏色與長久的「陪伴感」，讓它秒成社群新寵 - roomie.tw news - 中立 🎯
- 關於Owala，你需要知道的一些事 - Cosmopolitan HK news - 中立 🎯
- 網路口碑爆棚！新創保溫瓶品牌力壓百羊老撈阿湯哥女兒愛不釋手- 財經 - chinatimes.com news - 貢獻 🎯
- 「Owala」水壺紅什麼？BLACKPINK Rosé 同款找到了！「Owala」正在改變喝水儀式感 - Women's Health news - 中立 🎯
- BLACKPINK Rosé 一手捧出賣的水壺是哪個？多色瓶+好質感成時髦日常新寵 - Marie Claire 美麗佳人 news - 中立 🎯

熱門關鍵字 (API)



AI 行銷建議

匯出 CSV 檔案

行動日誌

[Keyword] : 「藍色」

[Recommend] : 請設定您的 OpenAI API 金鑰以啟用 AI 動態建議。

Growth Plan

引領地圖

BHI 趨勢圖 (模擬)



Tech Stack

- React, Tailwind CSS, Chart.js, TagCanvas.
- Frontend: React.js, Tailwind CSS
- Visualization: Chart.js, TagCanvas
- Backend: Python (Flask)
- AI Integration: OpenAI API (Sentiment Analysis)

The Role

- Technical PM & Developer
- Defined product roadmap for brand monitoring.
- Implemented responsive UI with React components.
- Designed the Brand Health Index (BHI) algorithm logic.

Key Features

- Sentiment Analysis: Real-time social listening (PTT/Dcard).
- BHI Dashboard: Visualizing brand trends via dynamic charts.
- AI Strategy: Auto-generated marketing plans based on data.

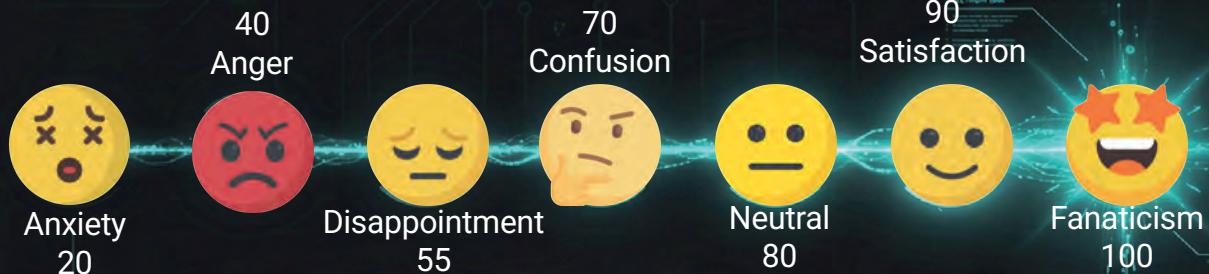
BHI Algorithm Model

Weighted Sentiment Calculation Logic

Transforms qualitative social sentiment into a quantitative business index. Extreme sentiments (Fanaticism) are assigned higher weights to prioritize.

$$BHI = \sum (P_i \times T_{v3i})$$

P_i : Post Volume | T_{v3i} : Temperature Weight



OPTIMIZATION SPECTRUM: DIVERGENCE >>> CONVERGENCE

System Architecture & Data Flow

Scalable 3-Tier Full-Stack Integration



Visual Identity

Evolution from Chaos to Order



The Origin: Complexity

Represents the organic, unstructured nature of raw data and market dynamics. Inspired by the depth of Cthulhu mythos and Indigenous totem aesthetics.



The Application: Clarity

The crystalized form of the identity. Represents the TPM's role: distilling complex problems into sharp, actionable product strategies.

Design Philosophy

Navigating Chaos with Structured Vision

The Eye : Insight & Truth

Inspired by Cthulhu mythos. Represents the relentless pursuit of Hidden Truths. In product terms, it is the ability to see patterns in chaotic data where others see noise.

The Tentacles : Reach & Adaptability

Text: Symbolizes extending into the unknown. Represents Cross-Functional Reach—the ability to grasp Technology, Business, and Operations simultaneously to solve complex problems.

The Totem : Structure & Discipline

Text: Indigenous geometric aesthetics. Represents Framework & Logic. Using rigorous structures (like SOPs and Algorithms) to contain and organize the organic chaos of development.

The 'S' : The Anchor

Text: "Stone" (My Identity). The central anchor of Stability and Strategy amidst the dynamic flow of information.

Contact Info

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