

Tony Wilson Jesuraj

Senior iOS & macOS Engineer · AI-powered Applications

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PROFESSIONAL SUMMARY

Senior iOS & macOS engineer with 5+ years of experience building reliable, high-performance applications using Swift, SwiftUI, and UIKit. Strong background in system design, app architecture, and performance optimisation. Experienced in developing AI-powered features and end-to-end products, with a focus on clean user experience and efficient on-device processing.

WORK EXPERIENCE

Senior iOS/macOS Engineer

[Elephas AI](#)

2024 – Present

- Built and scaled Elephas, a macOS knowledge assistant used by 3,000+ professionals
- Designed on-device data handling to ensure user data remains private and responsive
- Implemented semantic search, offline processing, and support for multiple file formats
- Integrated multiple external services with a smooth switching experience between them
- Handled background processing and thread-safe operations using Swift concurrency
- Designed data storage and caching to efficiently manage large volumes of user data
- Profiled and improved performance using Instruments, reducing memory usage and improving responsiveness
- Delivered and maintained releases across Mac App Store, Setapp, and direct distribution

iOS Developer

[OpenBet](#)

2022 – 2024

- Developed and maintained features for a high-traffic sports application
- Worked on real-time data updates with proper handling of background and main thread execution
- Participated in code reviews and contributed to improving code quality and stability
- Investigated and fixed performance issues and crashes
- Collaborated with cross-functional teams to deliver stable releases on schedule

iOS Developer Intern → Engineer

[Ivy Mobility](#)

2020 – 2022

- Built and shipped multiple iOS features using Swift and UIKit
- Gained strong experience in debugging, app lifecycle, and App Store releases

SKILLS

Swift Python SwiftUI UIKit iOS macOS iPadOS Core Data GCD async/await MVVM
Instruments App Store Setapp Flask FastAPI Django Flutter React Native

PROJECTS

Elephas — macOS & iOS

Knowledge assistant with semantic search, offline support, and multi-source integration. Focused on fast local performance and smooth user experience.

elephas.app · [App Store](#)

BeeMind — Smart Work Notes

Note-taking and knowledge app with structured data, spaced repetition, and chat-based interaction.

beemind.app · [App Store](#)

CORE iOS/macOS ENGINEERING

- Concurrency and threading (GCD, async/await, background processing)
 - Data persistence (Core Data, file storage, caching)
 - Memory management (ARC, retain cycles, optimisation)
 - App architecture (MVVM, modular structure)
 - System APIs (notifications, deep links, background tasks)
 - Performance tuning using Instruments (Time Profiler, Leaks)
 - macOS sandboxing and secure data handling
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AUTOMATION & SIDE PROJECTS

■ YouTube Automation System

Built a complete system to handle content workflows and publishing pipelines end-to-end.

■ Shorts Generation Engine

Developed an automated Shorts engine using game-based simulations to generate and render video content programmatically.

■ Backend Services

Designed backend services using Flask, FastAPI, and Django for internal tools and automation workflows.

■ Content Processing Tools

Created tools to streamline content processing, scheduling, and media generation.

■ Cross-platform Development

Familiar with cross-platform development using Flutter and JavaScript-based frameworks.

■ React Native Exploration

Exploring interactive content and simple game mechanics using React Native.

EDUCATION

B.Tech — Jeppiaar University

2016 – 2020