

Avismara Hugoppalu

Senior iOS Engineer · Toptal Top 3%

+91 9686091602 · avismarah1@gmail.com · avismara.me · [GitHub](https://github.com) · [StackOverflow](https://stackoverflow.com) · [LinkedIn](https://www.linkedin.com)

Senior iOS engineer with thirteen years shipping end-to-end mobile products — iOS primary, Android secondary — across startups, unicorns, and Fortune 500 clients. A hands-on architect who ships fast without trading away scalability: modular SDKs, server-driven UI, CI/CD automation, performance tuning, and modern Swift (Combine, structured concurrency). Known for a designer's eye — pixel-perfect, considered interfaces with real opinions about color and hierarchy. Lately pointing that same curiosity at **AI engineering — building agent infrastructure, retrieval, and evaluation in the open**. Guest lecturer in Algorithms & Data Structures and Object-Oriented Design.

SELECTED HIGHLIGHTS & IMPACT

- **0→1 iOS product:** Sole iOS engineer on the first version of a now-famous AI music app (under NDA) — built from scratch in SwiftUI and shipped to a **4.8★ launch with 7.9k reviews**.
- **High-scale SDK:** Co-architected a chat SDK handling **10M+ requests/month**, with backend-driven UI that ships interface changes without app releases.
- **Team leadership:** Led a **12-person** iOS + Android team; built a graduate training pipeline that **tripled billable capacity**.
- **Early-stage ownership:** Took a product from inception to App Store as sole iOS engineer — scaled to **15,000+ users/month**, 4,000+ images shared monthly.
- **Delivery & DevOps:** Stood up repeatable CI/CD on GitHub Actions and CircleCI; cut manual release steps and improved developer velocity.

BUILDING WITH AI — INDEPENDENT & OPEN SOURCE

Akshara

[MCP](#) · [RAG](#) · [EVAL](#)

A zero-UI conversational agent for Indian schools — a scoped LLM agent answering parents over WhatsApp from the school's own data, with **access control enforced at the tool boundary** and a **≥95% grounding bar**.

AgentKit

[OPEN SOURCE](#) · [SWIFT 6.2](#)

A Swift-native agent orchestration SDK: a `@SessionSchema` macro, `SimulatedSession` for deterministic testing, and a transcript-first architecture. My bridge from apps to agents, in code.

Socratic tutor

[EVAL-GATED CI](#)

~600 lines of dependency-free Python that teach me how language models work and grade me adversarially: an append-only evidence log, mastery *derived* from that log (un-gameable), and an eval-gated build track ending in a deployed service.

CORE SKILLS

LANGUAGES

Swift (9y) · Objective-C (4y) · Java · TypeScript · Python

AI ENG

LLM agents · MCP · RAG · evaluation / eval-gated CI · prompt engineering

APPLE

UIKit · SwiftUI · Combine · structured concurrency · Core Data · StoreKit · AVFoundation

ARCHITECTURE

MVVM · Coordinator · modularization · SDK design · DI · backend-driven UI

DEVOPS

GitHub Actions · CircleCI · Fastlane · TestFlight / App Store Connect

TESTING & CRAFT

XCTest / XCUITest · snapshot · UI/UX · color theory · accessibility

PROFESSIONAL EXPERIENCE

Toptal — Senior iOS Developer (Top 3%) · Remote

Aug 2021 – Present

High-impact iOS for clients from influencers to Fortune 500s, often in ambiguous contexts needing rapid diagnosis, architectural clarity, and safe, fast delivery. Selected engagements:

- **AI Music Generation App** (*under NDA*) — Sole iOS engineer on the first SwiftUI version, shipped 0→1 to the App Store (4.8★, 7.9k reviews). Owned core architecture, CI/CD, and dev guidelines; helped interview and stand up the in-house iOS team.
- **Scrybe — Music Streaming App** — Sole iOS engineer on a full revamp: modern visual language and a multi-tier StoreKit subscription model (song/album/artist) with robust entitlement handling; GitHub Actions CI/CD.
- **ASAPP (New York)** — SDK engineer on a high-scale chat platform (10M+ req/mo); co-architected backend-driven UI; refined CircleCI pipelines.
- **Private Social App (London)** — chat and feed modules with offline-first capabilities.

campus.build — Founder & Tech Head · Bangalore

Oct 2019 – Dec 2020

- Built presence across 12+ engineering colleges and a 6,000+ student community.
- Owned UI/UX in Sketch; led Node.js backend and admin tooling.

Infrd Technologies — Mobile Lead · Bangalore

Jan 2017 – Oct 2019

- Led a 12-member iOS + Android team across SDK and app work.
- Shipped bill-capture and ID-document SDKs (OpenCV — edge/perspective correction, glare & blur detection, OCR extraction with real-time guidance).
- Standardized architecture and CI/CD; tripled billable capacity via a graduate training pipeline.

galleri5 — iOS Developer

2016 – 17

- Sole iOS engineer inception→launch; led UI/UX. Scaled to 15,000+ users/month, 4,000+ images/month.

Rare Mile — Mobile Developer

2014 – 16

- Child-location tracking app (GPS, geofencing, background updates) and a mobile payments/wallet app (QR payments, secure transactions).

TEACHING & EDUCATION

Guest Lecturer — Algorithms & Data Structures, Object-Oriented Design

Bangalore Institute of Technology — B.E., Information Science & Engineering

2010 – 2014