

Pushpinder Pal Singh

AI Product Engineer · Sacramento, CA · Open to relocation
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PROFILE

AI Product Engineer with 3+ years of professional mobile engineering experience and 6+ years shipping iOS apps independently. Builds production SwiftUI and UIKit apps with Core ML and Vision features, subscriptions, backend API integrations, analytics, CI/CD, and TestFlight releases. Recently shipped RetroBudget, a SwiftUI AI spend tracker with RevenueCat subscriptions and paying users.

EXPERIENCE

Indie Product Engineer | PROMPTSIDE STUDIO

MAY '20 - PRESENT

- Shipped 5 independent iOS apps, with 2 currently live on the App Store, spanning *SwiftUI*, *UIKit*, *CI/CD*, *TestFlight*.
- Launched *RetroBudget*, a *SwiftUI* AI spend tracker with *RevenueCat* subscriptions, paying users, and revenue.
- Built *Excalidraw CLI*, an agent-friendly *TypeScript* flowchart generator, with PNG/SVG export and 250+ GitHub stars.

Founding Product Engineer | BARKIE.AI

JUN '25 - OCT '25

- Built the iOS beta from scratch in *SwiftUI* as the sole mobile engineer, delivering a *HIG*-aligned beta UI.
- Integrated on-device *Core ML*/*Vision* scorecard scanning and synchronized results through the *GHIN API*.
- Set up *CI/CD* for automated builds, testing, and *TestFlight* beta deployments.

Software Engineer - Mobile | GOJEK

MAY '22 - AUG '24

- Revamped Help Center UI in *UIKit*, reducing support queries by 15%.
- Built a reusable PIN auth SDK in *Swift*/*VIPER*, adopted across 3 GoTo apps.
- Shipped GoPay *Flutter* features and Server-Driven UI, serving 130M daily users.
- Integrated *Protobuf*-based analytics, cutting third-party dependencies and costs by 30%.

iOS Developer | GOOGLE SUMMER OF CODE - VIDEOLAN

JUN '21 - AUG '21

- Added the "Continue Watching" feature to VLC for iOS, letting users resume playback across sessions.
- Redesigned screens in *UIKit* to match Apple's Human Interface Guidelines.

OPEN SOURCE

SwiftLang | THE SWIFT PROGRAMMING LANGUAGE - [GITHUB](#)

PRESENT

- Improved Swift build-system diagnostics by making compiler failure modes easier to understand.
- Added Apple Clang compatibility checks and removed unsupported flags to reduce build issues across toolchains.

SKILLS

Mobile: Swift, SwiftUI, UIKit, Swift Concurrency, Flutter, iOS SDKs, TestFlight

AI/ML & LLMs: Core ML, Vision, on-device AI, structured outputs, OpenRouter, AI agent tooling

Backend & Tools: REST APIs, Protobuf, Server-Driven UI, TypeScript, CI/CD, RevenueCat, CLI/npm tooling

PROJECTS

Excalidraw CLI | CLI FOR CREATING FLOWCHARTS - [GITHUB](#)

- Built an agent-friendly CLI for generating clean Excalidraw flowcharts and architecture diagrams from structured text.
- Open-sourced it to 250+ GitHub stars, adding support for arrows, edge labels, bidirectional flows, and npm releases.

RetroBudget | AI SPEND TRACKER - [APP STORE](#)

- Launched RetroBudget, a *SwiftUI* AI spend tracker, with *RevenueCat* subscriptions and paying users.
- Parsed bank statements via OpenAI/OpenRouter structured outputs to categorize spending, with no server-side storage.

AWARDS

Smart India Hackathon | NATIONAL WINNER: AI SYSTEM FOR LIGHTING AND HVAC OPTIMIZATION.

2021

EDUCATION

Master's in Computer Science | CALIFORNIA STATE UNIVERSITY

AUG '24 - DEC '26

Technology Entrepreneurship | STANFORD UNIVERSITY

JUN '25 - AUG '25

BE in Computer Engineering | DELHI UNIVERSITY

AUG '18 - MAY '22