

Pushpinder Pal Singh

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Swift · Swift Concurrency · SwiftUI · UIKit · MLX Swift · VIPER · Objective-C · CI/CD

EXPERIENCE

Founding Mobile Engineer | BARKIE.AI

JUN '25 – OCT '25

- Built the iOS beta from scratch in *SwiftUI*, shipping a *HIG*-compliant UI as the sole mobile engineer.
- Trained a *CoreML* vision model to scan scorecards on-device and sync results with the GHIN API.
- Implemented CI/CD pipelines for automated builds, testing, and beta deployments to *TestFlight*.

Software Engineer - Mobile | GOJEK

MAY '22 – AUG '24

- Revamped Help Center UI using *UIKit*, improving usability and reducing support queries by 15%.
- Drove Help Center feature rollouts across iOS, coordinating with Android, backend, and product teams.
- Developed a Pin-based Auth SDK in *Swift* with *VIPER*, enabling a unified experience across GoTo apps.
- Shipped features on the GoPay *Flutter* app, serving 130M daily users.
- Implemented a *Server Driven UI* for GoPay's homepage, enabling dynamic updates without app releases.
- Integrated in-house analytics framework using *Protobuf*, reducing third-party dependencies and cutting costs by 30%.

iOS Developer | GOOGLE SUMMER OF CODE - VIDEO LAN

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.

Head of Open Source and Mobile Tech | IoSD

JUN '20 – JUN '21

- Created a student mobile app in Flutter from scratch and grew it to 10,000 daily active users.
- Designed and delivered technical workshops on Git and open-source best practices for first-year students.
- Mentored aspiring developers to contribute to major open-source projects, including the Linux kernel.

OPEN SOURCE

SwiftLang | THE SWIFT PROGRAMMING LANGUAGE - GITHUB

PRESENT

- Added diagnostic flags to the Swift build system for clearer compiler error messages.
- Enhanced compiler compatibility by adding checks for Apple Clang and removing unsupported flags.
- Contributed to Swift Information Architecture Project, unifying content and improving documentation accessibility.
- Mentored newcomers on the Swift forums, answering technical questions on concurrency and SwiftUI.

PROJECTS

RetroBudget | AI SPEND TRACKER - APPSTORE

- Shipped an AI spend tracker in *SwiftUI* as a solo project, live on the App Store.
- Parsed uploaded bank statements with on-device AI to categorize spending, with no data stored server-side.
- Monetized through *RevenueCat* subscriptions with paying users and zero marketing spend.

Holder | A SECURE CARD VAULT - APPSTORE

- Published an iOS app in Swift and SwiftUI for securely storing card details, with 8 releases and zero reported crashes.
- Used iOS Keychain with iCloud sync for end-to-end encrypted storage across devices.
- Secured the vault with Face ID and Touch ID.

AWARDS

Smart India Hackathon 2020 | WINNER

2021

- Won Smart India Hackathon 2020, a national hackathon by the Government of India.
- Built an AI-powered IoT system to predict and auto-adjust building lighting and HVAC.

EDUCATION

Master's in Computer Science | CALIFORNIA STATE UNIVERSITY

AUG '24 – MAY '26

Technology Entrepreneurship | STANFORD UNIVERSITY

JUN '25 – AUG '25

BE in Computer Engineering | DELHI UNIVERSITY

AUG '18 – MAY '22