

Brian Wang

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SUMMARY

Staff iOS Engineer with 7+ years at Block. Led 5 major cross-functional platform migrations transforming a legacy acquired application into a full-fledged POS vertical. Rearchitected printing infrastructure serving millions of daily jobs, improving reliability from 97% to 99.5%.

SKILLS

Languages: Swift, Objective-C, SQL

iOS: SwiftUI, UIKit, Combine, Swift Concurrency, Core Data, GRDB, SQLite, RxSwift, XCTest, Snapshot Testing

Architecture: MVVM, Dependency Injection, Data Syncing, Protobuf, gRPC

Tools & Practices: Xcode, Git, Swift Package Manager, CocoaPods, Bazel, Datadog, Snowflake, LaunchDarkly, Bugsnag, CI/CD, Cursor, Claude Code

WORK EXPERIENCE

Block (formerly Square) — San Francisco, CA

Staff iOS Engineer (Square Appointments & Square Restaurants)

04/2024 – 02/2026

- Architected a ground-up rewrite of the iOS printing infrastructure using GRDB (SQLite), replacing a fragile in-memory queue with a persistent, database-backed system; improved print job success rate from 97% to 99.5% across millions of daily print jobs
- Pioneered org-wide adoption of GRDB (SQLite) as a modern Core Data replacement — created a shared foundation module, authored the company's developer guide, and hosted biweekly cross-team syncs to establish concurrency-safe database patterns adopted across 3 teams
- Drove the appointment sync reliability overhaul — authored the engineering design for serial sync enforcement that improved success rate from 86% to 98%, eliminating race conditions that had caused appointment data loss
- Championed AI tooling adoption — prototyped an on-call debugging dashboard that saved hundreds of hours of manual debugging and convinced leadership to staff its development; presented best practices to 100+ engineers at an org-wide engineering summit

Senior iOS Engineer (Square Appointments)

04/2021 – 04/2024

- Owned the Appointments Orders migration (company-wide initiative), replacing the legacy cart model with a modern order model underpinning all scheduling and payments flows — led 2 engineers and delivered an invisible transition to users with 100% uptime
- Led the navigation and checkout redesign for the entire app, directing 1 other engineer on implementation — A/B testing demonstrated a 24% improvement in first-time payments conversion
- Anchored the Appointments iOS team through 3x growth (3 to 9 engineers) — established onboarding, architecture standards, and technical direction; mentored 1 intern to mid-level engineer

iOS Engineer (Square Appointments)

08/2018 – 04/2021

- Executed 2 major data model migrations integrating an acquired application into the flagship iPad/iPhone POS codebase — migrating catalog and customer data across tens of thousands of sellers, establishing the foundation for the platform unification effort

EDUCATION

Bachelor of Science in Computer Science — Georgia Institute of Technology

08/2014 – 05/2018

GPA: 3.9 | Concentration: Systems Architecture & Networking