

PATRICK MALTAGLIATI

STAFF SOFTWARE ENGINEER



CONTACT

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PROFILE

Staff Software Engineer with 12+ years of experience building mobile platforms and distributed systems powering point-of-sale checkout and payments at scale. Expertise across iOS, distributed architecture, and reliability engineering, with a track record of driving cross-platform system design and executing complex multi-year migrations. Played a key role in migrating Square's in-person checkout stack from legacy Bills infrastructure to Orders, implementing core client systems and influencing architectural direction to improve reliability, enable offline transaction recovery, and support mission-critical payment flows used by millions of sellers.

EDUCATION

UNIVERSITY OF MISSOURI

B.S. Computer Science

2009 - 2013

SKILLS

Technical Leadership

Cross-team influence, architecture reviews, mentorship, hiring, talent evaluation

Distributed Systems & Backend

Client-server architecture, data modeling, offline synchronization

Reliability & Operations

Incident response, observability, metrics, rollouts, migrations, release reliability

Platform & Architecture

Modularization, shared frameworks, API design, dependency management

iOS

Swift, Objective-C, UIKit, SwiftUI, Core Data, data persistence, concurrency, performance profiling, automated testing

AWS

S3, EC2, CloudFront, Route53, ACM, Secrets Manager, IAM, DynamoDB, ECR, ECS

AI

AI native development, prompt engineering

WORK EXPERIENCE

Block

JAN 2021 - FEB 2026

Staff Software Engineer (L6)

- Drove development of shared checkout frameworks powering Square POS clients, standardizing cart construction, order state management, and checkout orchestration across high-traffic, revenue-critical flows.
- Played a key role in migrating Square's in-person checkout stack from the legacy Bills infrastructure to the Orders platform, implementing core client systems and influencing cross-platform architectural direction across iOS, Android, and backend services.
- Designed and implemented offline-first order and payment state management systems, including local persistence, retry orchestration, and backend reconciliation to safely recover transactions during network outages.
- Improved checkout reliability through architectural contributions, rollout strategies, and observability enhancements, reducing production regressions and increasing successful checkout performance against SLO targets.
- Contributed to platform evolution enabling new payment flows and merchant use cases across Square POS, supporting systems used by millions of sellers.
- Provided staff-level technical leadership through architecture reviews, cross-team collaboration, mentorship, and contributions to hiring and promotion decisions.

Emerson Electric

JUN 2018 - DEC 2020

Senior Software Engineer

- Led development and long-term maintenance of the Sensi thermostat mobile app on iOS and Android.
- Guided mobile architecture and coding standards to improve flexibility, testability, and maintainability as the codebase scaled.
- Built CI/CD pipelines supporting frequent, reliable App Store releases with continuous testing.

WWT Asynchrony Labs

SEPT 2015 - JUN 2018

Software Engineer

- Delivered production mobile applications for clients across multiple industries.
- Championed Agile and Extreme Programming practices including TDD and pair programming.

Cerner Corporation

AUG 2013 - SEPT 2015

Software Engineer

- Built cloud-backed applications, including iOS components for physician-facing mobile products.