MATTHEW DUTTON

Senior Software Engineering Manager, iOS Platform

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Engineering leader with 10+ years of experience managing teams up to 12 engineers, including other managers. Proven track record delivering platform infrastructure supporting 200+ developers while driving strategic initiatives.

WORK EXPERIENCE

CAPITAL ONE

Senior Manager, Software Engineering, iOS Platform | Sep 2016 - Current

- Built and scaled platform and feature organizations supporting 200+ iOS engineers, leading teams of up to 12 engineers including other managers across infrastructure, UI components, and test automation.
- Led Capital One's strategic migration to the Bazel build system, reducing build and test times by 50% for a mobile banking platform serving over 30M monthly users.
- Designed and owned the iOS CI/CD pipeline and automated testing infrastructure, enabling more than 40 feature teams to continuously validate over 200 production features.
- Established platform-wide test automation standards that increased test pass rates to 98%+, tripled test coverage, and reduced manual regression effort by 30%.
- Created multiple internal testing frameworks that reduced test execution time by 20–50% while stabilizing the test environment during rapid application growth.
- Engineered and maintained critical portions of the iOS build process and automation tooling that improved developer productivity and platform reliability at scale.
- Designed and implemented custom localization tooling that replaced third-party vendors, saving $25K–$50K annually and recovering hundreds of engineering hours per quarter.
- Led cross-functional technical roadmaps with product, design, and leadership teams to deliver 5+ major platform capabilities that improved onboarding experience and development velocity.
- Architected feature promotion and discovery systems that measurably increased user engagement, including 30K+ users interacting with newly highlighted features.
- Delivered cost-saving platform initiatives that contributed to tens of millions of dollars in annual business savings for the Capital One credit card line of business.
- Drove engineering excellence standards across coding practices, testing reliability, and platform ownership, improving system stability while scaling feature delivery.

IBM

Software Engineer (Mobile Applications) | Jan 2016 - Sep 2016

- Designed and launched an internal iOS application that aggregated company updates and resources, increasing employee engagement with corporate information by 10%.
- Led development efforts on a team of 6 engineers building mobile applications for Federal Government clients.
- Created 3 interactive prototypes and 2 proof-of-concept applications to evaluate project feasibility during client proposal and bidding phases.
- Evaluated client requirements and provided technical feasibility assessments for iOS platform implementations.

ECHO INTERACTION GROUP

Mobile Applications Developer | Mar 2015 - Jan 2016

- Lead iOS developer for an application supporting a 600-acre luxury Bahamas resort community.
- Spearheaded development of a cross-platform image-sending application for a multinational telecommunications brand.
- Reduced production crash rate to under 1% through systematic Crashlytics analysis and remediation.
- Managed application maintenance, release pipelines, and App Store submissions on behalf of clients.

US ARMY

Indirect fire Infantry Sergeant (11C) | Apr 2006 - Feb 2011

- Squad leader for a mortar section assigned to global deployment as part of a Brigade Combat Team.
- Responsible for training, discipline, morale, and professional development of enlisted soldiers.
- Developed leadership and operational decision-making skills in high-pressure environments.

EDUCATION

FULL SAIL UNIVERSITY

Bachelor of Science: Mobile Development | Apr 2013 - Apr 2015

SKILLS

iOS | Android | UIKit | Swift | Engineering Management | Fastlane | Git | Jenkins | Objective-C | Ruby | Test Automation | SwiftUI

FOR THE MACHINES

iOS, iOS Platform, Swift, SwiftUI, UIKit, Combine, Objective-C, Bazel, CI/CD, Continuous Integration, Continuous Delivery, Build Tooling, Jenkins, Fastlane, Test Automation, Automation, Dependency Injection, Concurrency, Multithreading, CoreData, REST APIs, Git, GitHub, Xcode, Mobile Infrastructure, Engineering Management, Technical Lead, Platform Architecture, Developer Productivity, Stakeholder Management, Collaboration, Android, Java