

Daniel Robert Bolella

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Professional Summary

Engineering leader with 11+ years of experience building and scaling high-impact mobile applications, specializing in Swift and iOS architecture. Proven record of leading cross-functional teams, mentoring engineers, and driving platform-level decisions. Adept at bridging product and engineering to deliver user-centric solutions at scale. Passionate about developer experience, architectural patterns, and innovation in mobile technology.

Professional Experience

Charles Schwab, Remote

Lead Software Engineer - iOS

7/21 - Present

- **Led Development Efforts:** Responsible for leading development efforts and providing guidance to engineering teams (up to 8 at a time) across Schwab's suite of mobile applications (~5.2 million unique users, ~111 million monthly logins).
- **Architectural Improvements:** Played a key role in refactoring and improving architecture across all layers (back-end APIs, networking, business logic, UI), resulting in ~50% faster time-to-delivery, improved DX, testing strategies, and code quality.
- **SwiftUI Adoption:** Championed adoption of SwiftUI as the primary UI framework by creating internal teaching materials, leading working groups, hosting weekly office hours, and developing reusable libraries and examples.
- **AI & Developer Experience:** Engineered expert-level Agentic AI workflows to deliver a 3-quarter roadmap in 1 month. Overall, this initiative reduced new issues by 50% and streamlined PR reviews, resulting in a 9x increase in delivery speed with zero compromise on code quality.
- **Merger Leadership:** Served as a key engineering leader during the Schwab–TD Ameritrade merger, contributing to the largest brokerage integration in U.S. history (\$9.57T AUM) through architectural alignment and cross-org coordination.
- **Liquid Glass Design System:** Leading technical roadmap and strategy around systemically adopting Apple's Liquid Glass design system across Schwab mobile platforms, including assessing feasibility, performance, and user experience impacts. Worked and trained with Apple in their offices to learn everything there is regarding LG and the new design system.
- **Leadership & Mentorship:** Mentor engineers through one-on-ones, team meetings, and pairing sessions, fostering growth and building team-wide technical excellence.
- **Strategic Planning:** Participate in governance meetings, cross-organizational design/planning, and leadership forums to align technology direction with business priorities.
- **Vision & Roadmap Execution:** Collaborate closely with Schwab's Mobile Distinguished Engineer to define and execute the vision and roadmap for Schwab mobile apps and internal architectural frameworks.
- **Code Quality & Reviews:** Regularly open and review pull requests, conduct code walkthroughs, and host team sessions to maintain high code standards and production readiness.
- **Cross-functional Collaboration:** Partner with Product Owners and UX Designers to shape client-facing features, including top user experiences and mobile landing page strategies.
- **Proof of Concepts & Research:** Develop POCs and documentation for emerging technologies and patterns (e.g., SwiftUI best practices, Kotlin Multiplatform, DDD, Fastlane Match, Copilot).

Syncro Medical, Langhorne, PA

Senior Software Engineer - Team Lead

7/20 - 6/21

Software Engineer - Team Lead

7/17 - 7/20

- Responsible for designing, implementing, and maintaining mobile apps that interact with Bluetooth-enabled inhalers. Apps collect patient usage and feedback while providing options to visualize and share data (e.g. Doctors, HCPs)
- Developed in Android (Kotlin), iOS (Swift), and Crossplatform (Flutter) codebases with AWS and IBM Cloud Backends
- As Team Lead, architect new features and services, groom and oversee the backlog from a development perspective, review implementations and bugs fixes, and maintain continuous integration flows for the projects
- Communicate daily with various client members/teams to strategize, plan, gather requirements, and provide expertise
- Document project processes, reports, specifications, and requirements per client, quality, and FDA standards
- Consult on other projects as an Apple SME, providing insights, solutions, trainings and presentations
- As a Certified Scrum Master, work with the Director of Quality & Process on accelerating company wide adoption of Agile principles, particularly exercising the Scrum and Kanban frameworks on a per project basis

Professional Experience, Cont.

TD Ameritrade (ThinkTech), Jersey City, New Jersey

12/14 - 7/17

Developer II / Scrum Master

- Developer on the Mobile Development Team primarily as an iOS and Windows developer
- Worked on new features and performed maintenance on the TDA Mobile iOS application, the flagship mobile application that allows users to stream market data, check their account information, trade, and receive alerts
- Engaged with Pivotal Labs to exercise agile processes/methodologies for a major refactoring project
- As Scrum Master, developed and coached a cross-functional team in an environment that exercises TDD, Pair Programming, and various Agile Processes during the company's agile transformation
- Represent the team from a tech perspective, interfacing with business, shared services, infrastructure and leadership

JP Morgan Chase & Co., New York, New York

8/12 - 12/14

Technology Analyst Application Developer:

- Analyst in the JP Morgan Chase Technology Analyst Development Program 2012 (Completed 8/2014)
- Full stack developer for the Private Bank/Wealth Management Risk Team for JP Morgan Asset Management

Publications

Founder & Author: Captain SwiftUI

- Technical blog with over 2000 subscribers focused on SwiftUI, architecture, and tooling for Apple developers
- Run monthly Office Hours where paid subscribers join to discuss and ask questions with each other
- Offer Consultation Services to individuals and teams looking for guidance, reviews, or solutions

Co-Author: Swift Cookbook Third Edition

Packt Publishing

- Co-authored a comprehensive guide on Swift programming, covering advanced topics and practical recipes.
- Collaborated with other authors to write, review, and refine chapters, ensuring accuracy and clarity.
- Received positive feedback from the developer community and Amazon rankings

Technical Reviewer: Swift Cookbook, SwiftUI Cookbook

Packt Publishing

- Reviewed and provided feedback on technical content to ensure accuracy, clarity, and relevance.
- Assisted authors in refining their manuscripts to meet the high standards of Packt Publishing.

Technical Skills & Education

Languages: Swift, Kotlin, Objective-C, Dart, Java

Frameworks & Tools: SwiftUI, UIKit, Flutter, Combine, CoreBluetooth

Build & CI/CD: Swift Package Manager, CocoaPods, Bitrise, Bazel, CircleCI, Jenkins, Fastlane

Cloud & Backends: AWS, Firebase, Node.js

Practices: TDD, Agile, Scrum, Domain-Driven Design

Certifications: Certified Scrum Master (since 2017)

Stevens Institute of Technology, Hoboken, New Jersey

Bachelors of Science, Computer Science with Minor in History (May 2012)

Activities & Hobbies

Github Contributor, Stevens Gear & Triangle Honor Society, Cooperative-Education Graduate (2 years full-time software work experience), Apple WWDC 2016 Attendee, Coding, Playing/Listening to Music, Writing, and Reading

References Available upon request.