

Ryan Renna Senior Mobile Engineer

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Latest Projects

Mark43 OnScene

Mark43

Mobile CAD (computer aided dispatch) app for police departments across the US and UK.

- First iOS hire; owned end-to-end design and architecture for mission-critical public safety application.
- Architected real-time communication layer using Web Sockets for critical dispatch updates.
- Built background processing and location services pipeline for continuous officer tracking.

SalesLink/ServiceLink Flex

Uptake

Native iOS apps for B2B fleet management, used by Caterpillar dealers across North America.

- Led iOS development; built reusable UX, data layer, and authentication libraries shared across multiple applications.
- Integrated on-board electronic logging devices (ELD) and GeoTab telematics services for real-time fleet tracking.

Called It!

Called It!

Binary Capital-backed startup

Video-first social network for user-generated predictions. Featured multiple times in App Store News section.

- Led all mobile development for iOS and Android platforms.
- Built video capture, encoding, and real-time filter rendering pipeline using AVFoundation and Core Image.

Forces

Offblast Softworks

Self-published cross-platform app for tabletop gaming with hundreds of active subscribers.

- Built native UIs with SwiftUI (iOS) and Jetpack Compose (Android), following platform-specific HIG for each.
- Architected shared business logic and data layer using Kotlin Multiplatform, maximizing code reuse across platforms.

Key Skills

- Swift | SwiftUI
- Kotlin | Jetpack Compose
- Kotlin Multiplatform Mobile
- Objective-C | UIKit | CarPlay | Apple Watch | Apple Intelligence

Achievements

- Deployed **OnScene** which is used by tens of thousands of active police and fire users across the US and UK
- Participated in the Launch Festival in San Francisco to launch **Instaradio**
- Wrote the original rapid transit iOS app for the city of Toronto
- Wrote the original Hockey Canada iOS app
- Trained BlackBerry developers in Toronto, Mexico City and Buenos Aires
- BlackBerry 10 award winner and certified trainer

Education

2010

BSc Computer Science

Brock University

St. Catharines, Canada

- Graduated with honours
- Emphasis on Artificial Intelligence with Neural Networks
- ACM Competition 2010 contestant

2007

Advanced Diploma

Computer Science

Sheridan College

Oakville, Canada

Experience

2021-Current

Senior Mobile Developer (IC4) Mark43

Remote | New York City

- First iOS hire; owned architecture and development of native app serving first responders across the US.
- Built real-time system using WebSockets, CoreData persistence and continuous background location tracking.
- Shipped CarPlay integration, App Intents automation, and on-device ML features using Core ML + Apple Intelligence

2017-2021

Lead Mobile Developer Uptake

Toronto

- Led iOS development for suite of B2B fleet management apps used by Caterpillar dealers across North America.
- Built reusable authentication, data layer, and UI component libraries shared across multiple applications.
- Integrated real-time telematics via GeoTab and on-board electronic logging devices (ELD) for fleet tracking.

2016-2017

Senior Mobile Developer Called It!

Toronto

- Led iOS development for prediction-validation focused social network.

2013-2016

Senior Mobile Developer / CTO Instaradio / RAUR

Toronto | San Francisco

2012-2013

Consultant New Toronto Group

Toronto

- Partnered with Research in Motion to develop and present training material for the BlackBerry 10 platform in North and South America.

2010-2012

Team Lead Mobile Development TenFour Labs Inc.

Toronto

- Led iOS developer for music oriented startup which launched at SXSW 2011.

2009 - Current

Founder Offblast Softworks

- Self-published over a dozen iOS, Android and OS X applications.

Published Mobile Apps

** No longer publicly available ** B2B application*

2026 (ongoing)

Mark43 OnScene | Forces

2024

Mark43 Evidence*

2019

NXM App** | SalesLink Flex | ServiceLink Flex | Flexco

2018

Uptake ELD | SalesLink Touch**

2017

Called It!*

2016

Addictive Mobility Showcase | RunningMan Wannabe*

2015

RAUR* | jSign** | House on the Hill | PACGC

2014

Imperium | Dragon Rune | SinglePic*

2013

Instaradio* | TORCodex* | iGo Toronto*

2012

TenFour* | Sizzle* | App Snap

2010

Hockey Canada Mobile