

# Ryan Renna iOS Focused Mobile Developer

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## Latest Projects

### Mark43 OnScene

Mark43

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

- First iOS hire, took ownership of design and architecture for mission-critical application.
- Wrote web socket based real-time system architecture.
- Relied on background processing and location services to provide real-time officer location tracking.

### SalesLink/ServiceLink Flex

Uptake

Mobile companion apps to web CMS popular at Caterpillar dealers.

- Wrote reusable UX, data layer and authentication libraries to share between applications.
- Integration with on-board electronic logging device (ELD) and GeoTab backend services.

### Called It!

Called It!

Backed by Binary Capital. Social network focused on user created video predictions. Featured in App Store multiple times in News section.

- Large video encoding and filter rendering components.
- Lead all mobile development efforts.

### Forces

Offblast Softworks

Popular self-published native app for iOS and Android for managing and rendering .ros and .rosz files used for list-building in most tabletop skirmish and war games.

- SwiftUI and Jetpack Compose used for native front-ends for "true to HIG (human interface guidelines)" UX.
- Kotlin Multiplatform used to write shared libraries for view model and data access logic.

## Key Skills

- Swift | SwiftUI
- Objective-C | UIKit
- Kotlin | Jetpack Compose
- Kotlin Multiplatform Mobile

## Achievements

- Participated in the Launch Festival in San Francisco to launch Instaradio
- Wrote the original GO Transit iOS app
- Wrote the original Hockey Canada iOS app
- Trained BlackBerry developers in Toronto, Mexico City and Buenos Aires
- BlackBerry 10 Dev Alpha participant, 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 iOS (IC4) Mark43

Remote | New York City

- Spearheaded development of iOS app which took web CAD (computer aided dispatch) workflows and real-time maps and brought them to the handheld form-factor.
- Used CoreData for persistence layer, web sockets for real-time network communication and heavily relied on iOS location services for tracking.

2017-2021

### Senior Mobile Developer Uptake

Toronto

- Led iOS development for dealer focused B2B applications.

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

2021

Mark43 OnScene | Forces

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