

SEBASTIAN MISIEWICZ

SOFTWARE DEVELOPER

CONTACT

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PROFILE

I specialize in creating high-quality mobile and web solutions. With over sixteen years of experience in software development, my expertise lies in building and deploying native and React Native mobile applications. I am passionate about creating exceptional apps, writing clean, well-architected code, and staying on the cutting edge of new technologies.

EXPERIENCE

SENIOR SOFTWARE DEVELOPER

SECURECO, INC. | JAN 2020 - PRESENT

- architected and developed native client VPN solutions for iOS, MacOS (Swift/SwiftUI) and Android (Java).
- created automated build pipelines for each client, leveraging multiple build tools such as fastlane, firebase, custom shell and python scripts.
- wrote native wrappers for each platform to bridge clients with middleware C++ stack.
- developed a front-end for a highly flexible customer control center portal, written in ReactJS.
- developed a mesh platform visualizer/simulator to showcase our product capabilities, written in ReactJS, leveraging a few well known libraries such as MobX. The mesh/network portion of the app relies heavily on D3JS.

SENIOR SOFTWARE DEVELOPER

PEERSTREAM, INC. | OCT 2018 - JAN 2020

- architected and developed 'Backchannel' client, targeting both Android and iOS (react-native).
- created automated build distribution pipelines for each platform.
- built video calling and audio push-to-talk UX (1:1).
- built video rendering elements leveraging MetalKit.
- wrote native wrappers for company core C++ stack.
- wrote native to react-native bridge for core C++ stack.
- added support for APNS and crash reporting.
- implemented storage capabilities: Keychain for sensitive local data and encrypted Realm DB for non-sensitive data.
- built custom animations and transitions:
 - * converted AfterEffects vector animations into fully-interactive loading indicators,
 - * background looping video player,
 - * QR code data import flow (cam scanner, importer),
 - * smooth object 'transform' during screen transitions.

SENIOR IOS DEVELOPER

PEERSTREAM, INC. | MAY 2013 - OCT 2018

I delivered and maintained two major apps, from initial setup to app store submission: 'Firetalk' and 'Pack - Live Group Video Chat'. Primarily written in Swift with additional bridged Obj-C components:

- created custom UI/UX (video call grid for up to 8 participants, interactive global top slider, dynamic call navigator with quick swipe switch ability).
- built custom animations and transitions (customized pan gestures, text input controls, table cell transitions).
- built multi-user video broadcasting/viewing experience.
- built network interface using promise-based design pattern (mainly leveraging Bolts framework).
- building 1:many video viewing experience by experimenting with several open source solutions such as ffmpeg.
- leveraging OpenTok SDK for WebRTC-driven 'guest mode' feature.
- building app payment flow through Stripe using card.io.
- leveraged Auth0 for identity flow (login, register).
- built socket-driven text chat (leveraging SocketRocket for all IO).
- leveraged Keychain for sensitive data storage.
- set up supporting service elements such as APNS, remote app config, remote DB, AB testing, crash reporting, distribution (ad-hoc/enterprise/store).
- helped with building QA structure and partial UI automation setup using Appium.

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IOS DEVELOPER

PALTALK (A.V.M. SOFTWARE, INC.) | APR 2011 - MAY 2013

Worked on various UX and engine elements within Paltalk iOS app. The original app dates back to pre-ARC days and iOS4.

ANDROID DEVELOPER

PALTALK (A.V.M. SOFTWARE, INC.) | MAR 2010 - APR 2011

Worked on various UX and engine elements within Paltalk Android app.

WEB/RIA DEVELOPER

PALTALK (A.V.M. SOFTWARE, INC.) | AUG 2007 - MAR 2010

- Co-developed Paltalk Express: a lightweight web-based version of Paltalk.
- Developed various web flash widgets.

SKILLS

- Mobile Applications
- Android Development
- Swift
- SwiftUI
- MVC / MVVM
- iOS Development
- React Native Apps
- Objective-C
- C++
- Java
- MacOS Development
- ReactJS Web Apps
- JavaScript
- TypeScript
- ...

EDUCATION

CITY UNIVERSITY OF NEW YORK - QUEENS COLLEGE

COMPUTER SCIENCE | 2004 - 2008

PROJECTS

Please visit the following link for more info:

<https://www.linkedin.com/in/sebastian-misiewicz-8b545b24/>