

## Senior iOS Engineer

With over 10 years of professional experience in mobile development, I have successfully contributed to the creation of Mobile and Desktop enterprise applications. As an adept team leader, I ensure seamless operations and possess expertise in utilizing **Swift**, **Objective-C** and **C++** programming languages and tools to optimize application functionality. My proficiency extends to ensuring data security, implementing smart home technologies, and developing healthcare applications. 📱🚀



385.443.9478



Utah, Lehi  
Open to relocation



ihorshev@gmail.com

## PROFESSIONAL EXPERIENCE

### Logitech | SoftServe (Contractor) | Remote, US

Senior Software Engineer

January 2023 – now

#### Connector for PC peripherals

**C++**, **Objective-C**, **macOS**, **Windows**, **Protobuf**, **CMake**, **Gitlab CI**, **Conan**, **asio**, **GTest**

- Integrated the Sentry crash reporter into a newly launched solution for efficient collection of customers' data.
- Refactored a substantial amount of legacy code by method extraction from lengthy functions.
- Implemented the logger functionality, including saving logs to simplify troubleshooting.
- Refactored the solution by removing no longer needed elements and 3rd-party modules, which reduced binary size by 30% and improved the overall performance.

### TippyTalk | Remote, Ukraine

Senior iOS Developer

April 2022 – Now

#### Communication solution for non-verbal and speech-impaired people

**Swift**, **C++**, **UIKit**, **SwiftUI**, **Combine**, **Azure**, **GitHub Actions**, **Fastlane**, **Realm**, **Jenkins**, **MVVM**

- Successfully migrated the UI to SwiftUI, reducing efforts for implementing new UI by 30%.
- Established CI/CD pipelines from scratch, significant amount of time for publishing app to beta testers.
- Used the fastlane tool to automate building and packaging procedures, streamlining the development workflow.
- Merged two standalone apps into one by converting one to Swift Package, enhancing user interaction, simplifying 40% of use cases, and providing an integrated user experience.

### RHVoice | Remote, Ukraine

Senior iOS Developer

May 2022 – December 2022

#### Text to Speech Engine on iOS

**Swift**, **C++**, **SwiftUI**, **Combine**, **Jenkins**, **MVVM**

- Developed Text to Speech iOS engine by using RHVoice C++ code.
- Created whitelabeled SwiftUI application from scratch and shipped it within several month.
- Implemented a wrapper around C++ code to use it in Swift.

### Blackberry | SoftServe (Contractor) | Remote, US

Lead iOS Engineer

Mar 2016 – Dec 2022

#### Web browser for iPhone & iPad

**Swift**, **Objective-C**, **C++**, **UIKit**, **SwiftUI**, **WebKit**, **Chromium**, **Jenkins**, **Gerrit**, **XCTest**, **MVC**, **Java Script**

- Implemented Reader-mode functionality to enhance the usability of web pages.
- Reduced the rate of defects escaping to production from 10% to less than 3% by refining the development process and introducing practice of quick defect resolution.
- Implemented a bidirectional communication layer between JavaScript and Swift, enhancing performance for upcoming JavaScript-driven features.

## Mobile App for event exploring and Social Network for Kids

**Core Bluetooth, Core Data, Objective-C, Core Location, UIKit**

- Collaborated closely with cross-functional teams to create a unified experience.
- Used Bluetooth Low Energy devices for a gamified children's social network

## OPEN-SOURCE EXPERIENCE

- Created [TMFloatingButton](#) during a time when there were no material design button UI frameworks, requiring the development of a custom solution
- Added of iOS and macOS versions of [RHVoice](#).
- Elevated the functionality of [WebArchiveExtractor](#), a converter for Safari's web archive, enabling files to be opened outside of Safari. My contributions involved updating GitHub Actions configuration for a macOS universal library supporting Apple Silicon and Intel CPU
- Enhanced the [Build-OpenSSL-cURL](#) script, vital for the RHVoice iOS app, by incorporating headers into xcframeworks, ensuring seamless OpenSSL integration
- Advanced [XcodeClangFormat](#), a code formatting tool for C++ and Objective-C within Xcode, by implementing support for the latest macOS version
- Extended the capabilities of [flite](#), another speech synthesizer, by introducing a Swift Package for building the flite iOS app

## EDUCATION

Polytechnic National University, Lviv, Ukraine

- MS in Financial and Economic Security Management, 2017 - 2018
- MS in Applied Economics, 2016 - 2017

Ivan Franko National University, Lviv, Ukraine

- MS in Applied Mathematics, 2013 - 2014
- BS in Applied Mathematics, 2009 - 2013