

Devin Sewell

Software/Firmware

Expert in native iOS (with proficiency in SwiftUI, UIKit for Swift5 & ObjC), Android platforms(Kotlin, Java), and Embedded systems powered by ESP-IDF and nRF SDK. I specialize in the augmentation and migration of established codebases and am versed in software design and new product inception.

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Hive Lighting

- Port React codebase to Native iOS (Swift) and Native Android (Java), managed multiple versions of the codebase for Crestron lighting, Quasar lighting, B-K Lighting, and ERP Lighting. Contributed to existing embedded-C firmware along with consulting OTA functionality, packet structure, and API architecture for new product: Hive Bulb.

Year: 12/2020 to 7/2023

Title: Lead iOS Developer (CoreBluetooth, UIKit/Swift), Lead Android (Java) Developer, Firmware developer and consultant (ESP-IDF and Nordic SDK)

Link(s): <https://hivelighting.com/>

Hatchtrack

- Data visualization for Android Studio (Java), additional functionality to current Android app, additional functionality to Node.js API, AWS Devops, Linux Devops

Year: 6/2019 to 12/2019

Title: Android (Java) Developer, Node.js Developer

Technologies: Android Studio, AWS, IoT / MQTT, PostgreSQL, InfluxDB, Firebase, ESP-IDF

Summary: Solve bugs/crashes, add functionality to Android (Java) app

Link(s): <https://hatchtrack.com/>

Ciye | Smart Goggle Integration

- Developed OTA file transfer / file handling from hardware device to mobile and upload to Firebase.

Year: 7/2019 to 10/2019

Title: React Native Developer, iOS (Swift) Developer

Technologies: Bluetooth, React Native, Firebase

Summary: OTA data packet handling, Transferring 8+MB files via Bluetooth Low Energy, then upload and creating db record.

Link(s): <https://ciye.co>

GliscoTech

- Embedded C development, WiFi communication/API architecture, and browser based light control app

Year: 3/2019 to 12/2019

Title: Software Developer, Firmware Developer

Technologies: ESP-IDF (Embedded C) firmware development, Front-end development, UI/UX Design

Summary: 4 channel grow lights controlled via wifi; Firmware development and app development.

Link(s): N/A

GOV SaaS / MacOS

- National Alliance Management; Rex System

Year: 2017-2019

Title: Software Developer, UI/UX Designer

Technologies: MacOS(Swift4), Php, PostgreSQL, AWS, TLS (AES256CBC), UI/UX

Design Summary: Navy ship port supply tracking and receipt invoicing platform Link(s): N/A

Enterprise Software

- RF10 Inspection

Year: 2017-2019

Title: Software Developer, UI/UX Designer

Technologies: Php, SQL, Front-end Development, UI/UX Design

Summary: Employee timesheet/hour tracking and invoicing software

Link(s): N/A

HIPAA Security

- PhiFactor Tech

Title: Software Developer, DevOps

Year: 2017

Technologies: iOS(Swift3), AWS S3, AES256

Summary: API Interaction, data encryption handling

Link(s): N/A

Hardware/iOS

- Chronos Smartwatch

Title: iOS (Swift) Developer, BLE communications developer, Hardware prototyping, Firmware Devops

Year: 2015-2016

Technologies: Swift, FitnessKit, CoreBluetooth, NordicSDK

Summary: Chronos Bluetooth LE iOS connected device using the Nordic nRF51 chip, Nordic SDK and CoreBluetooth. Development of iOS app v1.0 and CES demo app. Link(s):

wearchronos.com

- Edyn

Title: iOS (Objective-C) Developer

Year: 2014-2015

Technologies: iOS(Objective-C)

Summary: Development of JSON driven layout data visualization modules for Edyn's connected garden sensor paired iOS app.

Link(s): angel.co/edyn

iOS

- RAIN

Title: iOS (Objective-C) Developer

Year: 2014

Technologies: iOS(Objective-C), Node.js

Summary: Development of Rain local advertising iOS app v1.0.

Link(s): rainlocal.com

- Gracernote ACR

Title: iOS (Objective-C) Developer

Year: 2013-2014

Technologies: iOS(Objective-C)

Summary: Feature development in-house of CES iOS demo app showcasing Automatic Content Recognition.

Link(s): gracernote.com

Television

- NBCSports SportsDash

Title: Software Developer

Year: 2013

Technologies: Php, Javascript, Apache, Chromium

Summary: Browser-based curation software for live television.