Jeremy Herrero

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**CORE SKILLS**

* Swift, Objective-C (11 years experience)
* SwiftUI, Combine, Concurrency
* UIKit, AutoLayout, Core Animation
* API, URLSession, Alamofire, Codable
* Keychain, Core Data, SwiftData, SQLite
* Automated Testing (Unit Test / UITests)
* Analytics, Accessibility (A11Y)
* MVC, MVVM, Adapter, Dependency Injection
* Core Location, Core Motion, MapKit
* Background App Refresh, Push Notifications

**COMPLIMENTARY SKILLS**

* AWS (Amazon Web Services)
* Flutter (Dart, iOS, Android)
* Full Stack (HTML, CSS, Node.js)
* REST, GraphQL, Middleware
* Passport.js, Salt Encryption
* UX Design
* CI/CD (Continuous Integration / Deployment)
* Dynamic, generative email campaigns
* JIRA, BitBucket, Confluence Scrum, Agile
* Git / GitHub

**EXPERIENCE**

**Consulting, Software Development**

InnoStation, LLC, *Remote*

January 2024 - PRESENT

* Consultation on leading technology, business trends and strategy
* Project architecture, project management, and lead development
* Assessed code base and documented it on Confluence
* Tracked user analytics, created reports, and targeted, generative email campaigns
* Security, CI/CD, automated testing, workflow pipelines, and agile development
* Wrote POC code for automated quant trading strategies using proprietary indicators

**Senior iOS Developer**

Charles Schwab, *Remote*

February 2020 - January 2024

* Coded security modules and protocols to handle user financial data using keychain, biometrics, state management, encrypting keys, and integrating with our backend systems for authentication and token API access
* Collaborated with architect on improving performance and security measures by identifying redundancies, retainment cycles, thread management, and state management
* Helped migrate existing MVVM data models to Codable for easy URLSession integration
* Regularly maintained and migrated aging components into modern Swift code
* Wrote automated tests (UI Tests and UX tests), helped get the app closer to 80% code test coverage, and created CI/CD (continuous integration) pipelines used for managing deployments with Bitrise
* Final developer in the chain to review and merge code my team had ownership over, pointing it at the next production release branch using Atlassian products JIRA and Bitbucket.
* Participated in graphic design and UX process for new screens and features
* Worked with and built interfaces with UIKit and AutoLayout
* Build new interfaces in and migrated existing interfaces into SwiftUI, coupled with Combine
* Other items I worked on were analytics, localization, push notifications, and widget POC
* Wrote an adaptor module to integrate accessibility (A11Y) tools into our codebase with dependency injection
* Audited dynamic font sizing, voice over, and alternative text coverage in the app
* Mentored junior developers

**Senior Mobile Developer**

Resideo (Honeywell), Austin, TX

April 2019 - November 2019

* Architected, built prototypes, and optimized proprietary libraries and plugins from the ground up
* Wrote native code in Dart (Flutter), Swift (iOS), and Java (Android)
* Firebase authentication and user management
* Localization, analytics, accessibility, MVVM
* Managed project tasks and provided assistance to fellow developers
* Setup CI/CD pipeline
* Connecting to and operating various smart home devices - security system, thermostat, lights, and more
* WiFi and Bluetooth provisioning
* Smart thermostat profiling, room temperature sensors, and geofencing
* Receive alerts of suspicious activity, indoor air quality changes, or if a leak is detected with push notifications
* Monitor water usage by appliance via machine learning technology

**iOS Developer and Full Stack Web / Node.js Backend**

EM Coach, Remote

August 2017 - January 2019

* Created a full stack web app powered by Node.js for doctors and medical students using HTML5 and CSS3
* Multimedia hosting and streaming via AWS
* Designed and built an iOS app and developed an API for it to connect to
* Custom built user authentication using Passport.js and salt password encryption
* Built an admin portal with CMS developed from scratch to update the database
* Built middleware to manage security, roles, and access for API access for authenticated users
* Dynamically generate unique lessons for users based on their assessment scores

**iOS Developer**

Five Pack Creative, Remote

April 2018 - September 2018 (overlapping with EM Coach)

* Thread safe multi-context core data management to empower users to access, work with, and create records offline. Any changes / additions made are automatically synced to the server once back online
* Tracked and created Unit Tests to provide maximum possible coverage
* GPS, MapKit with custom coded overlays and labels
* Core Data with offline data caching and data syncing when internet is reachable via Alamofire, using MVVM design pattern
* Object oriented dependency injection to ensure all modifications made in app were committed to core data

**iOS Developer and Full Stack Web / Node.js Backend**

EZ Green Home, Remote

January 2017 - July 2017

* Built a server with Node.js to integrate with front end web and iOS app
* Built iOS app that tracked all field staff movements and activities in realtime, comparable to Uber using Core Location, MapKit, and background app refresh to connect to Node.js service

**iOS Developer and Full Stack Backend**

CoachCam, LLC, Remote

October 2016 - January 2017

* Created a local Node.js server on CoachCam’s physical camera
* Built a backend system via Parse Platform to handle user accounts and data
* Developed an iOS app in Swift that integrates with both of these systems
* Mapped out where on the basketball court players took shots from

**iOS Developer and Full Stack Backend**

Trackpacker, LLC, Remote

August 2015 - October 2016

* Designed and built a social network platform for travelers
* Includes offline features such as offline mapping with Mapbox, GPS, and status posting
* AWS and Parse Platform backend services tie into a native iOS app
* Background app refresh, push notifications

**Project Manager / iOS Developer**

Quodisys, Ho Chi Minh City

April 2015 - August 2015

* Worked closely with both developer teams and clients
* Lead, managed, and mentored developers
* Organized and delegated tasks for optimal development performance
* Built social network apps comparable to Tinder and Vine
* Coded the ability to record, edit, upload, and stream video all in app

**EDUCATION**

Mobile Makers Academy, Chicago, IL

iOS Bootcamp

June 2013 - August 2013

University of Texas at San Antonio

BA in Interdisciplinary Studies

Graduated in 2012