

# Curriculum Vitae

## Thomas William Woodfin

Senior Mobile App Developer



### Contact

twoodfin@berkeley.edu  Greeley, Colorado 

denvermobileappdeveloper.com 

 Thomas.woodfin  thomaswoodfin

 github.com/ThomasWDev

### Skills

- Project Management
- Application Design
- Troubleshooting
- Debugging
- Analysis
- Customer/Client Service
- Attention to Detail
- Multitasking
- Verbal and Written Communication

#### Programming Languages

Objective C, SwiftUI and Swift, Java, Kotlin

#### Web Services

REST, SOAP, (JSON/XML), Location-based implementations, GraphQL

#### Architecture Patterns

MVVM, MVP, MVC, VIPER

#### Version Control

SVN, GIT, SourceTree, Command Line / Terminal, GitHub, Code Commit, Gitlab, Bitbucket

#### Databases

SQLServer, SQLite, MySQL, Mongo DB

#### API Testing

Postman and Swagger

#### IDEs

Xcode and Android Studio Dolphin

#### Methodologies

PSP, SCRUM/AGILE, TDD

#### Frameworks

Swift Package Manager, Cocopods, Firebase, Alamofire, Jetpack, XML, Retrofit, Dagger, AndroidX Lifecycle, Leanback, Junit, Chucker, Canary Leak

#### BUG TRACKING

Mantis, Bugzilla

### About Me

Knowledgeable and solution-focused software development leader able to manage projects efficiently while achieving business objectives by employing effective communication and organizational skills. Produce quality work by skillfully applying technical capabilities while progressing through the software development life cycle. Continuously build upon knowledge base and skills set by proactively seeking education opportunities and staying informed of technology advancements.

Project Management | Application Design | Troubleshooting | Debugging | Analysis | Customer/Client Service | Attention to Detail | Multitasking | Verbal and Written Communication.

### Education

#### 2013 New York University

NYU Graduate Certificates iOS App Development, Web Development, Digital Marketing

2012

#### Columbia University in the City of New York, NY

Graduate Certificate in Business

2008

#### University of California, Berkeley, Berkeley, CA,

Bachelor of Arts

## CLOUD STORAGE

Firebase, Back4App, Parse, AWS

## IOS SWIFT

MapKit, WeatherKit, PassKit, AV Foundation, Core Bluetooth, ARKit 6, Core Image, Core Data, SQLite, Realm, User Defaults, Core Location, Core Motion

## KOTLIN ANDROID

- Architectural pattern: MVVM with Clean Architecture
- Software Design Philosophy: SOLID Principles and Clean Code Architecture
- Dependency Injection: Dagger-Hilt
- Background Threading: Coroutines with Lifecycle components
- State Handling: UI State, StateFlow, Flow
- Network Calls: Retrofit2
- Data Serialization: GSON
- Database & Storage: Firebase Realtime DB, Firebase Storage
- API Integration: Foursquare, Firebase Authentication, ID.me & Firebase Auth (OTP Phone)
- Map: Google Map with Places API & Custom Style
- Runtime Permission: Dexter and EasyPermissions
- Crash Analytics: Firebase Crashlytics & Analytics
- Navigation Graph: Jetpack Navigation Component
- Third-Party Libraries: KProgressHUD, Coil, iOSDialog, IndicatorView, Shimmer, Country Code Picker, PinView/OtpView, SwitchButton (iOS Style)

## REACT NATIVE

Utilized various libraries and dependencies, such as FontAwesome SVG, AsyncStorage, Checkbox, Push Notification, Firebase Messaging, Navigation, Twilio Conversations, AWS SDK, Axios, Font Awesome, HTML Entities, Moment, React, AES Crypto, Date Picker, Device Info, Gesture Handler, Image Picker, Keyboard Aware Scroll View, Linear Gradient, Paper, Safe Area Context, Screens, Select Dropdown, SVG, SVG Transformer, Vector Icons, Video, Redux, String Replace, Redux Persist, and more.

## Military Experience

United States Navy, Little Creek, VA, 2001

Interior Communications Engineering  
Console Technician

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## NYU IOS App Development

NYU Graduate Certificates iOS App Development,  
Web Development, Digital Marketing

## Contract Roles

Getalloyed.com

02/2020 – 04/2020  
New York

CIANDT.COM

12/2019 - 02/2020  
Oakland, CA

## Professional Experience

Mar,  
2022

Present

### 1099 Contractor for Marriott.com

Senior Mobile App Developer

- Applied and mixed Swiftui & Swift language in the Bonvoy application.
- Worked in Kotlin Android app module helping the Most Valuable Promotion feature integrating Chase API and American Express to display ads in 8 locations throughout the app the prefill the applications with Marriott API data such as name, address, phone number, and other details to make the credit card application more seamless.
- Works on a feature to add this credit card, once approved with an Instant Credit feature, to the account profile automatically for the user to use this card to check out a room rental for a reservation.
- The Android app used GraphQL and the IOS App was still using Restful APIs in Swift and migrating to GraphQL in the SwiftUI version which is yet to be released in the Apple App Store.
- Worked on Accessibility Labels and Hints for the booking feature in a newer SwiftUI application specifically designed for disabled users. Implemented various code snippets in Swift to enhance accessibility in the application. - Utilized the "accessibilityLabel" function to add descriptive labels to views, allowing users to understand their contents effectively. - Employed the "accessibilityInputLabels" function to set alternate input labels that helped users identify and interact with specific views appropriately. - Implemented the "accessibilityLabeledPair" function to pair accessibility elements representing labels with corresponding elements for matching content, improving the overall accessibility experience.
- We followed a typical Scrum ceremony, sprint planning, sprint grooming on tickets, and QA process to validate the ticket completion process.
- Add GraphQL plugin to Android Studio and sync web API updates.

Nov,  
2021

-

Mar,  
2022

### The Five Network

Senior React Native, Swift, and Kotlin Developer

- Senior React Native, Swift, and Kotlin Developer.
- Supported three applications: Swift, Kotlin/Java, and React Native.
- Transitioned 100% Java project to 55% Kotlin, 45% Java.
- Swift app: Fastlane, Model-View structure, Codable, Decodable for JSON.
- Android codebase: MVVM structure, Jenkins for integration.
- GitHub actions for Swiftlint, Klit, and Bitrise (React Native).
- Code reviews for high-quality standards.
- Shared insights department-wide through objective and key result discussions.
- Organized Scrum-based team meetings, sprint planning, grooming, and daily stand-ups.
- Implemented parking lot approach for discussions, popcorn approach for stand-ups.
- Documented code and third-party libraries in Confluence.
- Improved cleanliness, readability, scalability, and efficiency of codebases.
- Researched and implemented new Apple features for enhanced user experience.
- Maintained crash rate below 0.4% through strict code control measures.

## Additional Information

Full Legal Name (As mentioned on your Driver's license):

**Thomas William Woodfin**

Best number to Contact for Telephonic Interview :  
**8459438855**

Skype ID (If any): **Thomas.woodfin**

Current Location: **Greeley, CO**

Visa Status with Expiration Date: **US Citizen**

Email ID: **twoodfin@berkeley.edu**

Availability to Start on the project:

**After 5 days of confirmation**

Availability for the interview (Kindly provide few time frames):

**You can set a meeting through this link**

**<https://calendly.com/thomaswoodfin>**

End date of Current/Last project:

**March 2022**

DOB: (only date & month): **September 14**

SSN: (only last 4 digits): **6043**

## Professional Experience

May,  
2021

-  
Nov,  
2021

### Communitybrands.com

Senior IOS Engineer

- Proven experience developing iOS mobile apps that work hardware accessories and sensors (Bluetooth, Bluetooth Smart, etc.)
- Experience with Wearable's such as Apple Watch, FitBit.
- Optimize mobile applications by performing quality assurance, testing, troubleshooting, and debugging for new and existing iOS features.
- Experience integrating and developing Applepay and messaging services.
- Experience integrating and developing Applepay and messaging services.
- Configured Deeplinks, which is used to navigate into different parts of the applications.
- Experience with SQLite, Core Data, and CallKit to build a call blocker application that stored 5 million numbers locally.
- Experience with ARKit to show an augmented reality scene.
- Experience with MLKit to take a photo and query Fire store database to match and trigger an event action.
- Employ leadership skills such as delegate work based on strengths and skillsets, provide team support and technical assistance, and communicate feedback in order to manage expectations and ensure timelines are met.

Feb,  
2020

-  
May,  
2021

### Edison Interactive

Android app developer

- Android Structure Architectural Experience Jitpack.io configuration for multiple modular based features integrated into another Kotlin based repository stack. Dagger Hilt for dependency injection.
- Set up Retrofit for network calls.
- Set up co-routines for reactive programming.
- Navigation component for activity/fragment interactions.
- Code added in the Common module, so can be used across all project that is using this module.
- Dagger Hilt setup.
- Create a networking module to handle Retrofit config for API call.
- Base classes (BaseActivity, BaseFragment and Base-ViewModel with databinding)
- Configure common useful extensions.
- Additional utilize classes.
- Functional, Interactor, Expectation handler for UseCase implementation.
- Added samples in features -> sample package for sample implementation and to test dagger implementation as well for good unit testing.
- Provide expertise in developing applications for android operating system using Eclipse IDE, IntelliJ Android studio, SQLite, Java, XM.

## References

**Shawn Sizer,**  
CEO 0321technologies  
shawn@0321technologies.com,  
+1 (410) 829- 9502

**Dr. James Woodford,**  
CEO Forensic Resources  
+1 (423) 432-2606

## Professional Experience

July,  
2019  
-  
May,  
2021

### **QWQER Services, LLC,** Team Lead iOS App Developer

- Oversee a team of engineers throughout the entire software development life cycle to create e-commerce iOS applications utilizing expertise in design patterns and object-oriented methodologies, as well as Swift5.0, SwiftUI, Objective-C, Cocoa, and current iOS 14 features.
- Responsible for the architecture design, code review,
- Responsible for the architecture design, code review, and technology build and deployment activities of mobile applications.
- Manage iOS Developers team while defining their responsibilities for the projects and making sure that the products are delivered without any technical issues
- Provide expertise in Apple's development tools and development environments to other developers and designers.
- Provide leadership skills, including the ability to motivate and lead other talented developers and designers.
- Work with Cocoa Touch and other SDKs for mobile development.
- Continue improving the app quality if experience on a large number of devices.
- AWS Cognito iOS SDK, Core Data, Connecting Decoder and Encoder to process RESTful APIs

Feb,  
2013  
-  
June,  
2019

### **0321 Technologies, LLC** Team Lead Mobile App Developer

- Provide strong experience in mobile development of internal and/or customer-facing mobile solutions.
- Deliver across the entire app life cycle –concept, design, build, deploy, test, release to app stores and support.
- Expertise in consultation knowledge on information agriculture, human-computer interaction, and usability design principles.
- Provide experience in multitasking and good management skills. Set up daily standards using popcorn communication methods and set ceremonies for sprint grooming and sprint retrospective.
- Provide strong project management skills, specifically working with deadlines and estimating the duration of a project.
- Provide strong soft skills, including experience in facilitation, diplomacy, and conflict resolution.
- Share a deep understanding of software development life cycle along with working knowledge of SCM with strong emphasis on Git and Git Flow.
- Coding and consulting knowledge of HTML5, CSS3, Javascript, SwiftUI and Swift, Objective C, Java, and Kotlin.
- Demonstrate excellent communication skills (verbal and written) to establish a working relationship with various departments locally and internationally.

- 🍏 The Five Network
- 🍏 Seabee Mobile
- 🍏 USACE EM-385-1-1 Safety Manual
- 🍏 myKubota
- 🍏 Beach EatZ
- 🍏 Patient Access
- 🍏 Raptor Security Agent
- 🍏 DroppingBuy - Grocery Delivery
- 🍏 QWQER USA Driver
- 🍏 QWQER USA
- 🍏 TAC-APP
- 🍏 WeSeeYou Safety App
- 🍏 NuMate-Safe Dating Made Simple
- 🍏 Gooroo for Tutors
- 🍏 Fire Inspection Pro
- 🍏 EMMA Tech
- 🍏 BonVoy
- 🍏 MyFrontier
- 🍏 Shark Experience
- 🍏 Builder's Punch List
- 🍏 Gombos

## More About Me

I attended NYU graduate certificate programs and excelled with a 4.0 GPA in iOS Development, Web Development, and Digital Marketing in 2013.

I am working on the most recent iOS Xcode 14, Swift, SwiftUI, and Swift. (WidgetKit, Appclips - functionalities), iOS16 (The most current OS).

I am experienced with iOS SDK, Objective C, and Swift. I am able to bridge Objective C to Swift or rewrite code in Swift. I have experience with Image Recognition, ARKit (augmented reality), CoreML (machine learning), Mapkit, CallKit and social media SDKs connect with social media apps like Facebook and Instagram. I have connected with community group functions. I built over 100 mobile apps in my decade-plus career. I have excellent written and verbal communication skills. I am able to work in team environments via Scrum and/or Agile. I am familiar with working in Jira, Slack, and Gitflow with Bitbucket, GitHub, GitLab, and CodeCommit (AWS). I have worked with domestic and international teams throughout my career.

I am experienced in AV Foundation Framework (Swift) to record audio from the device. Dropbox, CloudKit, and Drive API for sharing and backups. I implemented the Core Data framework to store user data locally and SQLite for offline functionality and architecture. I implemented NS Operation Queue and NSURL Session (Swift) to integrate with backend web services Restful APIs. I am familiar with using Storyboard, XIB, and SwiftUI. I have programmatically handled UI in Objective C and Swift. I am comfortable setting Storyboard constraints for multiple device layouts. Most of the apps I worked on use Pushkit for push notifications for alerts and reminders. Most apps require writing unit tests for testing specific functionality and logic.

I recently wrote logic tests using XCTest to compare the JSON for permissions validations depending on the various environments for different clients. If these tabs show, a Boolean check of 0 and 1 would either hide tabs or show them in the app settings. I wrote unit tests checking for tokens and ReplayKit was taking and sending the appropriate screenshots to the server. I migrated codes using SwiftUI and Swift 5.3. On a few apps, I used Bluetooth on Bluetooth low energy (BLE) and QR codes. I used Xcode's instruments tool to fine-tune the app's performance and memory management. I formatted the data as per business rules to display in UI. Followed a work data flow principle for design and development. I worked closely with a cross-functional team of testers and developers. In a recent project PatientAccess I implement a function to get the heart rate via the flash on the camera.

Environment: iOS 14 and 6.0, Mac OS, Swift 5.0, Combine and RxSwift, Xcode, Cocoapods, Swift Package Manager, Cocoa Touch, Cocoa framework, Adobe Suite (Photoshop), MapKit, Core Location, AVFoundation, and APIs. I am familiar with using Storyboard, XIB, and SwiftUI. I have programmatically handled UI in Objective C and Swift.