

# Jerald Allen Abille

Passionate iOS developer with 12 years of experience in designing and deploying user centric apps. Team player with a strong ability to work independently to deliver high-quality mobile solutions. Adept at enhancing user engagement and driving app performance.

## Technical Skills

- Programming Languages:** Swift, Objective-C
- UI Frameworks:** SwiftUI, UIKit
- Dependency Management:** SPM (Swift Package Manager) and CocoaPods
- Testing Frameworks:** XCTest, Quick and Nimble
- Encryption:** End-to-End Encryption, Symmetric Key, Cryptography, Keychain
- Database:** Core Data, SQL
- Source Control:** Git, GitHub, BitBucket, SourceTree
- CI/CD:** Xcode Cloud, Fastlane, Firebase App Distribution
- Project Management:** Jira, Confluence
- Web Development:** Node.js, HTML, CSS, Javascript and Bootstrap
- Design Tools:** Figma, Adobe Photoshop

## Work Experience

### Senior iOS Developer

Spectrum Global / Golden Equator Technology

May 2019 - Present (Singapore)

- Developed the Swish Community app and Visitor Registration app from scratch.
- Initiated the adoption of SwiftUI, Combine, Concurrency APIs and many other new frameworks and APIs within the team.
- Managed the deployment and delivery of the apps.
- Highly involved in the analysis of project requirements and estimated development efforts for the iOS apps with the product and design team.
- Introduced and facilitated peer-programming, code reviews, and mentored developers which enhanced the development process.

### iOS Developer

Moonshine App

July 2018 - May 2019 (Dubai, United Arab Emirates)

- Successfully improved app stability and performance through bug fixes, optimization, and feature development.
- Migrated the code base from Objective-C to Swift, enhancing maintainability and performance.
- Managed the implementation of in-app payments, enabling users to purchase and subscribe to services within the app.

## Contact

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mobile: +63 969 316 3687  
location: Philippines

## Education

Lyceum Subic Bay

Bachelor of Science in  
Information Technology  
Graduated March 2009

## Languages

Proficient in written and  
spoken English and Filipino

## Hobbies and Interests

Playing the guitar,  
SimRacing, Surfskating

- Implemented analytics, referrals and crash reporting to enhance sales and marketing insights and drive revenue growth.

**Senior iOS Developer**

**Acacus Technologies**

September 2015 - March 2018 (Dubai, United Arab Emirates)

- Worked closely with project managers and pilots in developing the company's aviation solutions and apps for client airlines such as Etihad, Airberlin, AirSerbia, AirSeychelles and Alitalia.

**Projects**

**Swish - Connecting Communities**

<https://apps.apple.com/id/app/spectrum-connect/id1529081023>

Swish is an all-in-one solution for building vibrant communities within the workplace. Designed for forward-thinking companies eager to elevate their business culture, Swish seamlessly integrates the principles of connection, communication, collaboration, culture, and continuous learning to enhance your organization's employee experience.

- Started the project from scratch using MVVM and continuously worked on the community and monetization features.
- Kept the code base up-to-date with the most recently available APIs and frameworks such as SwiftUI, Combine, Concurrency, Diffable Datasource, Modern Cell Configuration and Compositional Layouts.
- Led the implementation of End-to-End and Symmetric Key encryption for the chat module ensuring privacy and security of the user's data
- Developed the chat feature by implementing a 3rd party SDK and built custom features tailored to specific requirements.
- Developed social and learning features such as interest groups, feed, user and company directories, gifting and onboarding.
- Led the development of a virtual currency module allowing users to earn, transfer and purchase virtual tokens within the iOS app.
- Led the implementation of in-app purchase using StoreKit.
- Enabled dynamic app configuration using Firebase Remote Config.
- Implemented deep linking for onboarding of invited users.
- Managed the deployment of the apps using Fastlane, Firebase and Xcode Cloud.
- Implemented comprehensive unit tests to ensure robustness and reliability across the application.

**Visitor Registration App**

(in-house app for Spectrum Global)

VRA is an internal iPad application that allows visitors to register upon entering the Spectrum Global co-working space. Upon visitor registration, the app notifies the host via email of their guest's arrival at the facility.

- Designed and developed the app using Firebase Realtime Database and Cloud Functions using

Swift and Node.js.

- Deployed the app internally as an enterprise application by creating a web page with over-the-air download functionality.

### **Moonshine App - Free Drinks**

(App is no longer available in the App Store)

Moonshine is an award-winning nightlife app which provides information about the finest bars, nightclubs, lounges, restaurants in Dubai and Australia. Users register for free to get a free drink and may subscribe to get continuous deals and offers after the trial period. It also allows users to browse and book for events happening around Dubai.

- Designed, developed and delivered the iOS app.
- Migrated the code base from Objective-C to Swift.
- Implemented Branch.io, MixPanel, Crashlytics, as well as Google, Facebook and Uber SDKs.

### **Peregrine EFB**

(in-house app for Etihad airlines, Alitalia, AirSerbia and AirSeychelles)

The Peregrine Electronic Flight Bag is an iPad application used by Etihad, Airberlin, AirSerbia, AirSeychelles and Alitalia. The app features a centralized library for pilots, cabin crews and flight dispatchers for syncing and reading documents and submitting forms. The app provides timely notifications and bulletin updates. The app can view PDFs, HTML packages, videos and office files. The app also contains tools for pilots such as weather widgets, unit converters, aviation conversion and decoder tools.

- Developed the core application and customized it for different clients.
- Used URLSession for downloading files in the background.
- Used 3rd party PSPDFKit for viewing PDF files and later migrated to the free PDFKit.

### **Route Information Manual**

(in-house app for Etihad airlines)

Route Information Manual is a module in the Peregrine EFB that was later implemented into the project. It allows the pilots to import their PDF text-based Operational Flight Plan and parses the data such as airports, waypoints and routes for visualization on a 3d globe and 2d map. The module also downloads airport and escape route information from the server to keep the pilot up-to-date.

- Worked closely with an airbus pilot in developing the data parser for the operational flight plans.
- Developed a module for downloading a list of airports and escape route information.
- Used HTML and CSS for showing dynamic information in briefing pages.
- Designed and generated map layers for use in the globe and map within the app using QGIS, Mapbox and TileCloud.