

SHAWN WITTE

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 [Minirogue.github.io](https://github.com/Minirogue) ·  [/in/shawn-witte](https://in/shawn-witte) ·  github.com/Minirogue

EMPLOYMENT

Senior Software Engineer, Android

2024–Present

Insulet

Remote

- Mentored on coroutines best practices.
- Documentation and code review.

Software Engineer, Android

2022–2024

Tinder

Remote

- Developed and maintained several features as owner of the authentication domain including captcha and third party logins.
- Led a cross-team project to refactor the authentication code of the app for better maintainability.
- As member of modularization working group, developed best practices for modernization of gradle project structure to boost developer productivity, increase UI test coverage, improve build times across the organization.
- Mentored fellow engineers on internal best practices, coroutines, gradle dependency management, and more.
- Strengthened team focus by refining task management and Agile processes while driving team consensus on priorities, resulting in smoother project execution.

Senior Software Engineer, Android

2020–2022

Stride Health

San Francisco, California

- Worked on the Stride mileage, expense, and tax tracker Android app.
- Promoted use of Kotlin coroutines with best practices to migrate away from RxJava.
- Introduced and promoted rigorous unit testing standards.
- Rewrote the mileage tracking service, updating the maintainability of the app.
- Managed the Android CI/CD pipeline and release process, including migrating CI/CD services.
- Led regular cross-platform technical discussions between iOS and Android engineers.

EDUCATION

University of California, Davis

2019

PhD, Mathematics

3.75/4.0 GPA

Central Michigan University

2013

Master of Arts, Mathematics

3.8/4.0 GPA

Central Michigan University

2010

Bachelor of Science, Mathematics

3.9/4.0 GPA

TECHNOLOGIES AND PATTERNS USED

Java, Kotlin, Python, coroutines, RxJava, Gradle, Dagger/Hilt, model-view architecture (MVP, MVVM, MVI), Mockito, Mockk, Room, SQLDelight, Retrofit, OkHttp, Ktor, Git, CI/CD, Travis, CircleCI, Bitrise, FLAT architecture, Jira, Scrum, Agile.

RESEARCH AND PROJECTS

HoloCanon: An Unofficial Star Wars Canon Tracker

Android App

- Holocanon is an Android app that I wrote from scratch to keep track of all existing canonical Star Wars content and which pieces I have read or watched so I can easier select books at the library.
- The user is able to filter and sort media by various methods including by user-defined checked items.
- The app is written with Model-View-ViewModel (MVVM) architecture using Room to persist the Model layer locally as an SQL database and using Dagger 2 as a dependency injection framework.
- The codebase is a combination of Java and Kotlin, making use of Kotlin's coroutines.
- Future plans for the app include expanding to iOS using Kotlin Multiplatform, and implementing a more robust API using Ktor.
- Most recent codebase can be found at <https://github.com/Minirogue/SWMediaTracker>. The published app can be found on the Google Play store at <https://play.google.com/store/apps/details?id=com.minirogue.starwarscanontracker>.