**LINKS**

* [**mtalent@live.com**](mailto:mtalent@live.com)
* [**LinkedIn**](https://www.linkedin.com/in/mark-talent/) **- https://www.linkedin.com/in/mark-talent/**
* [**Example Code for MVVM Repository Pattern with Compose Navigation**](https://github.com/mtalent/TalentCodingExample)
* <https://github.com/mtalent/TalentCodingExample>

**PROFESSIONAL SUMMARY**

* Performance-driven professional with extensive experience in creating Android Applications from concept to launch.
* Experience with Android architecture components, Jetpack libraries, OkkHTTP, Retrofit, Volley, Glide, Rx-Java, Coroutines Flow, Java 8, Android Studio SDK, ADB, Mockito, Gradle, KMM multi-platform and SQLite.
* Proven track record of coming in on time on budget utilizing knowledge of open-source and commercial libraries commonly used in the Android ecosystem.
* Has led development teams and solved complex use cases using Agile methodologies.

# EDUCATION

**Sierra College 02/09 – 12/11** Associate of Science Computer Science

**California State University 08/12 – 12/16** Bachelor of Science Management Information Systems

**Liberty University (Student) 08/2022 – present** Master of Science in Information Technology (M.S.I.T.) in Software Design and Management

# TECHNICAL SKILLS

**Programming Languages:** Kotlin, Java, Python, C++, ASP.NET

**Android:** AOSP, Android Studio, Android Studio SDK, NDK, Java JDK, Jetpack libraries, Dagger/Hilt, NavGraph, OkkHTTP, Retrofit, Volley, Glide, Coroutines Flow, Java 8, Gradle, MVVM, Kotlin KMM multi-platform, Android Design

**Databases:** Room database, SQLite, NoSQL, MariaDB, KTOR

**Tools & technologies:** RESTful API, Atlassian JIRA, CI/CD, Jenkins, GitHub, Unix/Linux, HTML, CSS, Ktor, Agile, Waterfall, Scrum, SQL, NoSQL, Google Location, Google Maps API, Telephony protocols (2G/3G/4G/5G), CI/CD, GraphQL, Release Management, Cloud Firestore

# PROFESSIONAL EXPERIENCE

**Photon Medical –Senior Android Engineer 10/24 – 08/25**

**Arizona**

* MVVM Repository pattern – 50 API Calls using MVM Repository pattern
* Compose UI and Nav
* Coroutines and retrofit for asynchronous backend calls
* UI designed using Jetpack Compose and Navigation
* Navigation using Jetpack Compose Navigation
* Strong understanding of the Android app lifecycle, UI components, and responsive design principles.
* HIPPA Compliant Doctor/Nurse facing mobile Application for use while working in the Hospital
* Proficient in Java programming language for rebuilding in Kotlin

**MARK IT LLC – Android Engineer 01/24 –10/24**

**Richlands, North Carolina**

* Freelance Android Kotlin development
* Update work with Apollo Opening Roof and Patio Perfections
* UI designed using Jetpack Compose.
* Developed Android applications using Kotlin and Android Studio.
* Strong understanding of the Android app lifecycle, UI components, and responsive design principles.
* Utilized MVVM architecture to create modular, maintainable, and testable codebase.
* Created state of the art security using SRP eliminating man in the middle attack, with OTP written from scratch.
* Proficient in Java/Kotlin programming language for backend development.

**Data Caliper – Team Lead Engineer 07/22 – 06/23**

**Raleigh, North Carolina**

* Created Kotlin MVVM Application from simple use case to production ready Phase two implementation.
* Using MQTT I received Latitude and Longitude from Camera and Radar installation I converted 3d world and displayed it on two 2d User Interface (UI).
* UI designed using Jetpack Compose.
* Developed Android applications using Java/Kotlin and Android Studio.
* Strong understanding of the Android app lifecycle, UI components, and responsive design principles.
* Utilized MVVM architecture to create modular, maintainable, and testable codebase.
* Created state of the art security using SRP eliminating man in the middle attack, with OTP written from scratch.
* Proficient in Java programming language for backend development.
* Using OTG communicating with SAMD 21 through charging cord to an embedded system on jamming device from separate API – this was a premium option on the system.
* Created recycle view for multiple alerts from MQTT.

**Apollo Opening Roof – Android Engineer 06/20 – 05/22**

**Roseville, CA**

* Created Kotlin MVC Application used as remote control for movable roof system.
* Using ESP 8266 Wi-Fi embedded chip as bridge connecting roofing system to home Wi-Fi
* With IOT using self-designed Mosquito MQTT on Centos Linux system for roof communication.
* Proficient in designing, developing, and maintaining backend systems to support Android applications.
* Skilled in identifying and resolving backend-related issues, optimizing code for better efficiency, and enhancing overall system stability.
* Proficient in developing Android applications using Java/Kotlin and Android Studio.
* Strong understanding of the Android app lifecycle, UI components, and responsive design principles.
* Designed and developed the mobile app following the MVC pattern, adhering to OOPS principles to ensure a scalable and maintainable codebase.
* Experience with integrating machine learning models into Android applications using TensorFlow Lite or other frameworks.
* Effective communicator within cross-functional teams, collaborating with front-end developers, designers, and product managers to ensure seamless integration of the backend with the Android application.
* All tied together with Maria DB on Centos Linux system.

**Patio Perfections – Android Engineer 02/18 – 05/20**

**Roseville, CA**

* Created an Android device for tablets used by salespeople with Kotlin/Java MVC Application
* The application would take in measurements Length \* Width \* Height with many other variations and calculate complete cost.
* Accepted payments and emailed custom estimate for end customers
* Using Maria/MySQL free open-source DB for all part costs to make complete estimate information.
* Application used blob storage for all uploaded documents including permits, Cad drawings and a complete project storage solution.

**Axis Concepts – Intern 07/15 – 12/17**

**Roseville, CA**

* As a capstone project I created a Web Application using C# to track sales from Powder coating/Car Dealership and tractor for hire.
* Using Xamarin I created mobile application doing the same thing for stakeholders.

**Several – New Car Stores 08/1990 – 09/2012**

**Roseville, CA**

* Ran the desk for several new car Honda stores
* I have also worked as a finance manager.
* I have also worked as closer
* Started working on the line as a salesperson in 1990