

michael leng

michael@len.gy (669) 588-9405 <https://len.gy>

my talents

- Extensive experience engineering Android applications and SDKs in Kotlin and Java.
 - Proficient at designing, maintaining, and refactoring complex architectures and software patterns.
 - Well versed in view architectures (MVVM, MVI), Jetpack Compose, asynchronous computation, data transformation and storage, API design, and software testing.
 - Efficient communicator, thorough documenter, customer advocate.
-

my experiences

Nebula

Kotlin, Dagger, MvRx, Media3, Compose, Room, Retrofit, Flows, Coroutines

Senior Software Engineer, Android

May 2023 - Present

- Independently planned and engineered countless large user-facing features, including complete overhauls of many core app views, notifications, guest passes, and autoplay end cards.
- Re-architected various core app components, such as our authentication, downloads, and data storage infrastructure, greatly improving app responsiveness, stability, and testability.
- Rectified numerous bugs and customer issues, resulting in a reduction of crashes by three times.
- Collaborated heavily with adjacent teams, steered releases, handoffs, and feature kickoffs.

Splunk

Kotlin, Java, Python, Bash, Dagger, Retrofit, Protobuf, Coroutines

Software Engineer, Mobile

September 2021 - February 2023

- Led task breakdown, architecture, and engineering of multiple large features, such as an administrator focused component that allows users to easily monitor and act on incidents.
- Resolved many serious architectural and security issues, e.g. our SafeRoom to SQLCipher migration.
- Worked directly with customers to resolve pressing issues and prioritize feature requests.
- Fixed a multitude of user facing bugs and drove bug bashes, retros, and several major releases.
- Mentored interns and collaborated with other teams to drive progress on larger features.

Splunk

Kotlin, Java, Dagger, Room, Feature Modules, JUnit, MockK

Android Software Development Engineer Intern

September 2020 - December 2020

- Built a feature to empower users to push dashboard visualizations to smart TVs from mobile devices.

TunnelBear

Kotlin, Java, RxJava, EventBus, OkHttp, JUnit

Android Developer Intern

May 2019 - August 2019

- Implemented a new asynchronous Android persistence system to supersede our previous framework.
- Realized a robust bug report and logging system, improving bug-fix turnaround.

Department of National Defense

Java, Swift, C#, .NET Core, SQL

Software Developer Intern

September 2018 - December 2018

- Designed a complete secure system to assist 404th RCAF squadron pilots with training procedures.

BlackBerry

Java, C, C++, Bash, Ubuntu

Security Software Developer Intern

January 2018 - April 2018

- Strengthened security features on the Android Open Source Project in accordance with NIAP.
 - Actualized development tasks regarding NIAP compliant X.509 certificate path validation.
-

my hobbies

- Mechanical keyboard and custom electronics tinkerer, sewist, hobby collector
 - Avid skier, hiker, volleyball, badminton, and guitar player
-

my education

- University of Waterloo, Bachelors of Software Engineering, Class of 2021