



Phone:

Located:
Coquitlam, British Columbia

Email:
tmanku.dev@gmail.com

Website:
<https://manku.dev>

Skills

Languages:

Java, Kotlin, Swift, Dart, C, C++, C#, JavaScript, HTML, CSS, SQL, XML

Experienced with:

Android / Flutter / iOS app development, React, TailwindCSS, Discord / Twitter bot API, Android Linux Kernel, Git, Unity, Gradle, Maven, General UI/UX concepts

Work Experience

Design2Web

October 2018 - Present

Mobile App Developer / Web Developer

- Build native mobile Android/iOS apps for clients
- Work on back-end integration with websites using PHP and SQL
- Write scripts for automating and customizing firewall port tasks
- Interact with clients to discuss product design, implementation and deployment
- Report progress and prototypes to clients and work stats to manager

Project Experience

Smurf Config Editor (May 2019 - Present)

Kotlin, Android, Java, XML, Gradle

- Designed and created a simple, modern Android app that's available on the Google Play Store
- Rated 5-stars with 500+ downloads at time of writing
- Updated with latest technologies like Android Jetpack, View Binding, MVVM architecture etc.

Musicbender (Jan 2020 - Present)

JavaScript, Node, C# .NET

- Developed a server-localized Discord on-demand and caching sound effects bot in JS, Node
- Rewrote the bot in C# .NET for new iteration
- Updated the bot to integrate CRUD functionality for settings and cache
- Implemented privilege control, can be configured at runtime

Project Experience (Continued)

Beat Driver – CMPT276 Group Project (Feb 2020 – May 2020) Java, JavaFX, XML, Maven

- Created an extremely simple desktop Java game built with JavaFX graphics libraries
- Led group of 4 and took charge of implementation details like architecture and design patterns
- Delivered game prototype in 3 weeks
- Implemented Menus, BFS algorithm, Map rendering, Audio, Clock, Unit testing, etc.

K-lapse (Jun 2018 – Jul 2020) C, Makefile, Android

- Developed an Android Linux Kernel driver that changes display RGB based on time of day
- Updated with customizability, with an optional mode that works with screen brightness
- Integrated in 100+ custom kernels across the XDA-Developers community

Trace2Sleep (Dec 2017 – Apr 2018) C, Makefile, Android

- Designed and developed an Android Linux Kernel driver that changes the state of display
- Implemented a configurable corner-to-corner semi-circular “trace” gesture
- Integrated functionality to wake, sleep or toggle the device display state

Education

Simon Fraser University January 2019 – September 2022
Burnaby, BC

- Bachelor’s Degree in Computing Science

University of Fraser Valley September 2018 – December 2018
Abbotsford, BC

- Bachelor’s Degree in Computing Science
- Dean’s list

Awards & Achievements

Mobify: Bridging Languages Coding Contest January 2020

- Secured 3rd rank in this coding contest focused on completing tasks with multiple programming languages

Open Source Software Engagement Award July 2019

- Received the OSSEA for open-source contributions and project work via SFU