Tanish Manku

Email: tmanku.dev@gmail.com | **Phone:** (+1) 672-515-1367 | **Website:** manku.dev/
LinkedIn: linkedin.com/in/tmanku | **GitHub:** github.com/tanish2k09

Technical Skills

Languages: Java, Javascript, Kotlin, Swift, TypeScript, Python, GLSL, C, C++, SQL, Bash, Lua, PHP
Mobile Development: Jetpack Compose, SwiftUI, UIKit, ROOM, CoreData, JUnit5, XCTest, Flutter, Cocoapods
Web Development: HTML5, CSS3, ReactJS, NextJS, Tailwind CSS, WebGL, ThreeJS, NodeJS
Data and Back-end: PostgreSQL, Firebase, Redis, AWS, Google Cloud Platform, Jenkins, REST API, GraphQL, Docker

Work Experience

Design2Web   **Sep 2022 – May 2024**
Mobile App Developer   *Abbotsford, BC*
- Integrated In-App Purchases alongside a NodeJS backend for efficient licensing, raising app revenue by 50%
- Streamlined client website and workflow with modern tools like ReactJS and Tailwind, enhancing accessibility for disabled users and increasing user retention by 40%
- Coordinated with clients and Product Manager following agile principles, ensured smooth deployment timeline

TD Bank   **May 2022 – Aug 2022**
Android App Developer Co-op   *Vancouver, BC*
- Fixed UI state bugs in TD Insurance Claims Tracker, enhancing UX and dropping crash rate by 3%
- Refactored monolithic app module into smaller build modules, reducing build and debugging times by 35%
- Improved navigation logic by writing a wrapper around the NavController, resulting in 5% APK size reduction

NETGEAR   **Jan 2021 – Aug 2021**
iOS App Developer Co-op   *Richmond, BC*
- Spearheaded project-wide test coverage in XCode, caught and fixed 2 critical bugs, decreased crash rate by 6%
- Upgraded user sign-on navigation flow using interactive guides, increasing user sign-on funnel traffic by 10%
- Wrote bash automation scripts to replace manual project configuration, making config updates 87% faster
- Introduced code style guidelines, Git pre-commit hooks, and CI/CD pipeline checks, improving code quality

Projects

Manku.dev - Portfolio Website | *React, Tailwind CSS, NodeJS, TypeScript*   **Present**
- Refactored React 12 Class Components to newer Functional Components for better declarative UI composition
- Reduced main thread input delay by 4ms per frame with Web Workers and OffscreenCanvas for parallel rendering

Cinebon - Plan Movies and Chat | *Firebase, React, Jetpack Compose, Tailwind CSS, MVVM*   **2023**
- Led a team of 4, implemented TMDB API interface, foreground Android services, and real-time chats with Firebase
- Improved network performance by 60% by writing a cache for images and API responses

KLAPSE - Linux kernel driver | *C, Makefile, Linux*   **2020**
- Wrote a kernel-space RGB interpolation driver as an alternative to 'f.lux' using kernel clock and display HAL hooks
- Used in 100+ custom kernels, 1000+ phones across the XDA-Developers community, making a real-world impact

Smurf Config Editor - XDA Community | *Java, Kotlin, C, Makefile, Google Cloud Platform, MVVM*   **2020**
- Deployed various flavours to Play Store for A/B testing, granting easy access to over 1000 users, rated 4.8 stars
- Distributed custom Android ROMs, kernel for Lenovo A7000 to 500+ users, extending device support by 3 years

Education

Simon Fraser University   **Jan 2019 – Aug 2024**
Bachelor of Science in Computer Science
- Hosted Android app development workshops, teaching over 40 students to build their first Android apps
- Certified as a Google Developer Student Club Core Team Member
- StormHacks 2023 winner, Mobify Coding Contest 2020 winner
- Awarded Open Source Software Engagement Award