

# Kamrul Hasan

Montreal, QC, Canada

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Canadian Citizen | Open to relocation across Canada & the United States

TN Visa Eligible (USMCA) | Portfolio: <https://mkhrussell.com/portfolio.html>

## PROFILE

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Senior Android Engineer with 10+ years of experience delivering scalable Android applications across automotive and consumer electronics domains. Strong expertise in Clean Architecture, modular architecture, automated testing, and CI/CD optimization. Contributed to production systems at General Motors and Samsung serving millions of users worldwide.

## TECHNICAL SKILLS

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**Programming Languages:** Kotlin, Java

**Android App Layer:** OOP, SOLID, MVVM, MVI, Clean Architecture, Android Architecture Components, Coroutines, Jetpack Compose, Dependency Injection using Dagger/Hilt, Gradle, REST APIs

**Android Platform Layer:** AOSP, AAOS, Soong Build System

**Testing:** JUnit, Mockito, MockK, Espresso

**CI/CD:** Jenkins, GitHub Actions, Azure DevOps

**Version Control:** Git, Gerrit, GitHub

**Tools:** Android SDK, Android Studio, IntelliJ IDEA, Jira, SonarQube, Confluence, Figma

**Methodologies:** Agile, Scrum

## LANGUAGES

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English (Fluent), French (Basic Conversational)

## PROFESSIONAL EXPERIENCE

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CIeNET Technologies, Canada - Markham, ON, Canada May 2022 – Dec 2025

**Senior Android Developer - General Motors, Canada - Infotainment**

**HomeScreen (via CIeNET)**

Contributed as a senior developer:

- Redesigned the in-vehicle HomeScreen Android application using Clean Architecture and MVVM, Kotlin Coroutines and Flow, Room database and Dagger/Hilt DI, improving modularity and long-term maintainability
- Led development of the Launcher module and contributed significantly to the Split-View (Task View-private API) system using Kotlin within the Android-based infotainment platform
- Acted as Subject Matter Expert (SME) for Android architecture and code quality, conducting in-depth code reviews and mentoring engineers
- Improved performance and stability of legacy Android components deployed in production vehicle programs, reducing regression risk and improving release reliability
- Achieved 80%+ unit and UI test coverage using MockK and Espresso to reduce regressions and increase release confidence
- Owned and maintained CI/CD pipelines for automated testing, accelerating release cycles and reducing manual validation effort

- Implemented a developer-focused Gradle build alongside the production Soong build, significantly reducing development and debugging time and improving team productivity
- Led the migration of the HomeScreen application from Android S to Android U across both Soong and Gradle build systems
- Collaborated with platform, UX, and QA teams to deliver infotainment features aligned with automotive performance and safety standards

Samsung R&D Institute Bangladesh Ltd (SRBD), Dhaka, Bangladesh 2011 – 2021  
**Staff Engineer II**

Designed, developed, and maintained mobile applications for Samsung's services and devices:

- Designed and delivered the backup/restore feature for Samsung Galaxy Wearable Manager (10M+ downloads), enabling device connectivity and feature management across multiple Galaxy Watch models
- Implemented MVVM architecture and integrated REST APIs leveraging Android Architecture Components
- Performed Unit and UI testing using JUnit, Mockito, and Espresso to maintain code quality
- Supported OS upgrades and device model launches for global smartphone releases
- Contributed to related mobile platforms including React Native and iOS applications (Swift/SwiftUI) as part of cross-functional initiatives

IBM Bangladesh Ltd, Dhaka, Bangladesh

Dec 2010 – Oct 2011

**Assistant IT Specialist**

- Designed and developed Value Added Service (VAS) solutions for Airtel

Airtel Bangladesh Ltd, Dhaka, Bangladesh

Apr 2009 – Dec 2010

**Associate IT Specialist**

- Designed and developed Value Added Service (VAS) solutions for Airtel

Center for Environmental and Geographic Information Services, Dhaka, Bangladesh  
Mar 2007 – Mar 2009

**Programmer**

- Developed GIS software using ASP.NET and C#

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**EDUCATION**

Shahjalal University of Science and Technology, Sylhet, Bangladesh

2006

**Bachelor of Science in Computer Science and Engineering**

- WES credential equivalency obtained - WES (<https://www.wes.org/>)

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**AWARDS & HONORS**

- Recognition of Special Contribution on Samsung Bot Care - Jan 2019
- Iconic Team - Samsung Bangladesh - Dec 2014
- Icon of the Month - Samsung Bangladesh - May 2013
- Icon of the Month - Samsung Bangladesh - Oct 2012
- Airtel Team Award - Airtel Bangladesh - Aug 2010