Ryan Samarajeewa

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EDUCATION

UNIVERSITY OF VICTORIA
BSc, Computer Science
Jun 2019 | Victoria, BC
Dean's List

PLURALSIGHT
Flutter: Getting Started
2019

Enhancing the Android Application Experience
2019

SKILLS

TECHNICAL SKILLS
Intermediate:
Java • Kotlin • Android
C# • .NET • SQL Server • Git

Basic:
Dart • JavaScript • HTML • CSS

SOFT SKILLS
Mentoring • Communication • Sociable
Leadership • Resourcefulness

PROJECTS

FLYER
Kotlin, Android, Firebase
Android app that recognizes text from event flyers with ML Kit and saves event details in Google Calendar

POKÉDEX
Dart, Flutter, GraphQL
Flutter app for browsing Pokémon data from a GraphQL service

C-LIKE COMPILER
Java, ANTLR
Compiler that performs lexical and syntax analysis, type checking, intermediate-code generation, and Java Virtual Machine code generation on a C-like language

EXPERIENCE

AUTOTRADER.CA | Software Engineer - Android
Aug 2019 - Present | Vancouver, BC
- Enhancement of the autoTrader.ca Android app with over 2 million installs and a 4.6 star rating on the Google Play Store
- Improve mantainability of the monolithic codebase by modularizing core areas such as analytics, UI components and REST API consumption
- Modernize legacy Java code with Kotlin code that leverages new libraries such as MVVM, Jetpack/Architecture Components, and Coroutines
- Build module-level and app-level Espresso UI automation tests alongside unit tests that achieve >90% code coverage for all new features
- Introduction and improvement of a mechanism for running offline UI automation tests using a mock web server that runs locally on the device
- Proactively identify flaws in team workflow and facilitate discussions to address such flaws, resulting in positive impacts on productivity
- Host architecture review sessions to finalize technical design of features prior to development
- Provide and respond to detailed code reviews on pull requests

LGM FINANCIAL SERVICES | Software Engineer
Jan 2019 – Aug 2019 | Vancouver, BC
- Carried out development and release of a new claims processing Xamarin mobile app (Android and iOS) with GraphQL network communication
- Maintained and enhanced the core product's ASP.NET REST API, supporting its migration from on-prem to Azure while refactoring its monolithic codebase to cloud-ready .NET Core microservices
- Leveraged Azure DevOps to perform code reviews, conduct version control (Git), and configured CI/CD pipelines for multiple projects

MATHTAPPERS | Mobile Developer (Contract)
Jul 2018 – Sep 2018 | Victoria, BC
- Programmed and released a Unity mobile game (Android and iOS) for client's series of educational math games in under 3 months as per contract
- Achieved 6,000+ cumulative downloads between Google Play and App Store

IBM | Software Developer (Co-op), ISM Canada
May 2018 – Aug 2018 | Victoria, BC

REALTOR.COM | Android Engineer (Co-op)
May 2017 – Aug 2017 | Vancouver, BC

CALGARY AIRPORT AUTHORITY | Junior Programmer (Co-op)
Jan 2016 – Aug 2016 | Calgary, AB

VOLUNTEERING

CANADA LEARNING CODE | Mentor
2019 | Vancouver, BC
- Educated learners in the basics of front-end web development across 4 workshops catered to those without technical backgrounds