J.R. Maingat

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Skills

- **Languages**: Proficient in Go, Java, C++, C#, Bash / Intermediate in C, Python, JavaScript
- **Software/Frameworks**: Docker, Android, Linux, SQL, Angular 2, Vue.js, Node.js, Git, SVN

Experience

*More at **linkedin.com/jr-maingat***

Software Developer, Royal Bank of Canada *January 2019 – April 2019*

- Work on a search engine for application performance monitoring, leveraging Elasticsearch and C# backend
- Ingest server-tracking logging source in .NET C# data aggregator, saving weeks of data scraping per year
- **Technologies used:** C#, Elasticsearch, .NET Framework, Angular 2, Node.js

Full Stack Developer, Ontario Treasury Board Secretariat *January 2018 – April 2018*

- Built RESTful Go API for government-wide intranet, improving page load times by up to 98%
- Reduced automated build times by 50% by optimizing Docker pipeline image size from 1.5 GB to 40 MB
- Led initiative to deploy static analysis Bash scripts in continuous integration, improving code correctness
- Created responsive, cross-browser compatible search bar component in Vue.js and Bootstrap
- **Technologies used:** Go, Docker, Bash, Vue.js, JavaScript, Node.js, MySQL, JIRA, BitBucket Pipelines

Projects

*More at **github.com/tagniam***

Durham Region Transit Live for Android *January 2018 – Present*

- Develop and architect a real-time bus tracking Android app following SOLID design principles
- Implement asynchronous, multithreaded Java API built with RxJava to ingest GTFS, OpenStreetMap data
- Unit-tested app in JUnit by using mock SQLite data and service dependency injections
- **Technologies used:** Android, Java, RxJava, JUnit, SQLite

Turn: Hacktkober ‘n’ Slash *October 2017 – December 2017*

- Led development of C++ game with an active community of 40+ contributors for open source festival
- Integrated cross-platform Windows/Mac/Linux support, sound effects, and custom graphics renderer
- Performed 50+ code reviews in pull requests for features/bug fixes, prioritizing extensible, reusable code
- **Technologies used:** C++, Linux, TravisCI, CMake

TubeTranscribe *August 2017 – November 2017*

- Designed an audio manipulation/visualization MEAN app built with custom audio timeline UI components
- **Technologies used:** MongoDB, Express.js, Angular 2, Node.js, HTML/CSS

Vim for Visual Studio Code *July 2017 – August 2017*

- Coded and tested repeatable commands feature for Vim emulator, highlighted in project roadmap
- **Technologies used:** TypeScript

Education

HBSc in Computer Science, Co-op, University of Toronto *September 2016 – December 2020*

- GPA: 3.5/4.0, won Scholars Award for the top 2% of incoming students

Semester Abroad, University of New South Wales, Australia *July 2018 – November 2018*