

# NEEL ISMAIL

n7ismail@uwaterloo.ca | [linkedin.com/in/neelismail](https://www.linkedin.com/in/neelismail) | [github.com/neelismail01](https://github.com/neelismail01) | [neelismail.com](https://neelismail.com)

## Technical Skills

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**Programming Languages:** JavaScript, TypeScript, Java, Kotlin, Swift, C, C++, C#, SQL

**Tools & Frameworks:** React, React Native, Node.js, Spring, .NET, AWS, Firebase, MongoDB, Docker

## Education

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**University of Waterloo** | *Bachelor's Degree, Computer Science*

Sept 2019 – May 2024

- Relevant Courses: Data Structures (C++), Algorithms (C++), Operating Systems (C), User Interfaces (Kotlin)

## Experience

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**Verily (Google Life Sciences)** | *Software Engineer Intern*

May 2022 - Aug 2022

- Built REST APIs using **Java** and **Spring** enabling researchers to filter members of biomedical datasets based on demographic attributes or medical history, increasing possible filter customizations by **5x**
- Identified and resolved flaw in service translating filter specifications into SQL queries, improving correctness of results returned from **BigQuery** data warehouse from **60%** to **100%**
- Integrated bar charts into web UI using **TypeScript** and **React** to visualize filtered results by age, gender, and race

**RBC Capital Markets** | *Software Engineer Intern*

Sept 2021 - Dec 2021

- Responsible for end-to-end redevelopment of legacy application used to monitor transactions to compliance databases
- Built a **React** web client with **JavaScript** using hooks and functional components reducing page load times by **66%**
- Created 10+ REST APIs using **C#** and **.NET** enabling the retrieval of metadata for **20,000+** transactions for audits

**Fidelity Investments** | *Software Engineer Intern*

Jan 2021 – Apr 2021

- Revamped tool used by **50,000+** financial advisors to retrieve capital gains reports on mutual funds held by clients
- Streamlined front-end design using **JavaScript** and **JQuery**, reducing required clicks for retrieving statements by **77%**
- Refactored **Java Spring** MVC controller logic to support new user inputs, reducing invalid entries by **100%**

## Leadership

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**UW Blueprint** | *VP Engineering*

Sept 2021 – Present

- Responsible for technical success of **40 developers** and **10 project leads** as they build software solutions for **8 NPOs**
- Organize developer recruitment & onboarding, mentor project leads, and drive org-wide engineering improvements

**Men's Varsity Squash Team** | *Varsity Athlete*

Sept 2019 – Present

- Commit 15+ hours a week to training and competition as starter on **OUA Championships Silver Medalist Team**
- Individually have be awarded **OUA Rookie of the Year** and have amassed a **21-5** record over 2 years of competition

## Projects

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**Queue It** | *Swift, SwiftUI, Firebase, MusicKit*

 [Github](#)

- Built a music player app for iOS that enables multiple people to add music to the same queue in real-time
- Integrated with MusicKit to enable users to access Apple Music's catalogue of 90+ million songs

**Drip Locker** | *React Native, Node.js, MongoDB, AWS*

 [App Store](#)  [Github](#)

- Developed a social media app that allows users to share purchases with friends to inspire one another when shopping
- Implemented an infinite-scrolling feed, searching capabilities, and profiles to create a familiar social media experience

**Real-Time Chat App** | *Swift, UIKit, Firebase*

 [Github](#)

- Developed a real-time messaging app for iOS capable of sending various multimedia including text, photo, and video
- Utilized Firebase Authentication to integrate various social sign-in providers, including Facebook, Google, and Apple