

Neel Ismail

Computer Science at University of Waterloo

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SKILLS

Programming Languages: TypeScript, JavaScript, Python, SQL, C#, C++, Java, HTML, CSS

Tools & Frameworks: React, React Native, Node.js, .NET, MongoDB, PostgreSQL, AWS, Docker, Selenium, Git

EXPERIENCE

RBC Capital Markets | *Software Engineer Intern*

Sept 2021 - Present

- Sole developer responsible for end-to-end redevelopment of legacy application using **JavaScript, React, C#,** and **.NET**
- Built **30+** responsive and reusable React components providing a **3x** improvement on front-end page load times
- Created **10+** REST APIs supporting authentication and data retrieval responsible for **100%** of application traffic

UW Blueprint | *Software Developer*

Sept 2021 - Present

- Building a program registration platform using **TypeScript, Next.js,** and various **AWS services (SES, Lambda, S3)**
- Working with a team of 7 developers to complete all product requirements and deliver to client by end of 2021

Fidelity Investments | *Software Engineer Intern*

Jan 2021 - Apr 2021

- Owned redevelopment of tax statement generation tool used by **10,000+** financial advisors across Canada
- Streamlined frontend design using **JavaScript** to reduce required clicks for retrieving statements from **9 to 2**
- Refactored **Java Spring MVC** controller logic to support new user inputs, reducing invalid entries by **100%**

Fidelity Investments | *QA Automation Engineer Intern*

May 2020 - Aug 2020

- Developed automated regression tests for application used by **10,000+** financial advisors using **Java** and **Selenium**
- Increased test coverage for application from **0% to 100%** and saved **3+** hours in manual testing every week
- Communicated with multiple stakeholders to understand application requirements and design expansive test cases

PROJECTS

Drip | *JavaScript, React Native, Redux, Node.js, MongoDB, AWS (Lambda, API Gateway, ECS, S3, Cloudfront)*

- Created a mobile app that allows users to share pictures of purchases with an in-app network of friends
- Architected an infinite-scrolling feed and searching capabilities to facilitate product discovery and inspire purchases
- Built a serverless backend using Lambda functions and achieved low latency image rendering with S3 and Cloudfront

Settlers of Catan | *C++*

- Built a Waterloo-inspired version of Catan played through the command line by employing OOP principles such as inheritance, polymorphism, abstraction, and encapsulation and implementing an Observer design pattern

EDUCATION

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

Sept 2019 - Apr 2024

Men's Varsity Squash Team, President's Academic Honour Roll, President's Scholarship of Distinction, Term's Distinction

HONOURS

OUA Varsity Squash **Rookie of the Year** (2020), **Member of Team Canada** at Pan-American Junior Squash Championships (2019), **Double Medalist** at Canada Winter Games (2019)