# NEEL ISMAIL

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## EXPERIENCE

### SOFTWARE ENGINEER | Fidelity Investments
**Java, JavaScript, JQuery |** Jan 2021 - Apr 2021

- Revamped front-end design and back-end logic in investor management tool used by 10,000+ advisors to reduce required clicks for generating tax statements from 9 to 2
- Resolved Cross-Origin Resource Sharing error preventing DocuSign integration with internal trade processing tool supporting the firm's efforts to digitize existing paper-based processes
- Redesigned fund information webpages with ~5,000 unique weekly visitors to include updated performance charts and disclaimers ahead of ETF stock split

### QA AUTOMATION ENGINEER | Fidelity Investments
**Katalon, Groovy, Selenium |** May 2020 - Aug 2020

- Wrote automated regression tests for a tool used by 10,000+ financial advisor clients to validate fund exchanges; recommended improvements for back-end exchange logic to ensure application was robust
- Automated UI testing for back-office trade processing tool used daily by 100+ employees, which reduced manual testing by 1 hour each development cycle
- Worked in an agile environment and utilized Jira and Confluence to manage tasks and document progress, respectively

## PERSONAL PROJECTS

### ORDERBUD | React Native, Redux, Express, Node, MongoDB

- Developed a mobile marketplace app that enables users to discover and transact with local businesses
- Implemented multiple user roles to allow store owners to create and manage store profiles, update inventories, and track sales
- Utilized the Google Distance Matrix API and Google Places API to serve geographically relevant businesses to users

### FLASHBACK | React, Express, Node, PostgreSQL

- Developed a photo repository that enables natural language searching of memories through a search-rank algorithm that analyzed user-generated tags stored with each image in database
- Built capability for users to perform CRUD operations on their uploads and implemented JWT authorization to secure access to API endpoints

### SETTLERS OF CATAN | C++

- Built Catan by employing OOP principles such as inheritance, polymorphism, abstraction, and encapsulation and implementing an Observer design pattern

## SKILLS

**Languages:** JavaScript, C/C++, Java, Python, R
**Frameworks/Databases:** React, React Native, Redux, Node.js, Express, JQuery, MongoDB, PostgreSQL, Selenium
**Tools:** Git, Postman, Katalon, Figma

## LEADERSHIP

**Sponsorship & Fundrasing Coordinator**
*University of Waterloo Varsity Squash Team*

- Starter on Ontario University Athletics Silver Medalist Team
- Organize fundraising events to support training, equipment, and travel expenses for the season

## EDUCATION

**University of Waterloo**
*Candidate for Bachelor's of Computer Science*
Sep 2019 - Apr 2024

**Relevant Coursework**: Designing Functional Programs · Elementary Algorithm Design & Data Abstraction · Object Oriented Software Development · Logic and Computation

## AWARDS

Ontario University Athletics Varsity Squash **Rookie of the Year** (2020)

University of Waterloo **President's Academic Honour Roll** (2020)

**Member of Team Canada** at the Pan-American Junior Squash Championships (2019)

University of Waterloo **President's Scholarship of Distinction** (2019)

## INTERESTS

Music / Saxophone          Cooking
NBA Basketball          Travelling