Navinn *Ravindaran*

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🎓 EDUCATION

University of Toronto
Toronto, ON

Honours Bachelor of Science, Computer Science & Statistics Co-op
Sept. 2019 — Apr. 2023 (Expected)

Cumulative GPA: 3.78 / 4.00
Notable Courses: Software Design, Intro to Software Engineering, Principles of Programming Languages, Software Tools and Systems Programming
Awards: *Dean's List of Academic Excellence (2019-20), University of Toronto Scholar ($7500)*

☰ SKILLS

Programming: HTML, CSS, TypeScript, JavaScript, Java, C, Python, Shell, LaTeX
Frameworks and Tools: Angular, React, React Native, Node.js, Express.js, Jira, Git, GitHub Actions, TravisCI, MongoDB, Firebase
Development Methodologies: Agile Scrum, Agile Kanban, Test Driven Development

💼 EXPERIENCE

CaseWare International Inc.
Toronto, ON

Software Developer • Co-op
Sept. 2020 — Apr. 2021

- Active contributor in an **Agile Scrum** of **11** members, closely collaborating with developers, manual & automation QA and product owners
- Facilitated **Daily Standup** meetings using various Sprint, Regression, and On Call **Jira** Boards
- Decreased developer & QA regression efforts by **60%** by converting manual tests to unit tests with **Karma/Jasmine** and **TypeScript**
- Developed major features and hotfixes using **Angular, AngularJS, RxJS** and **NGXS** improving the end-user experience for **60+** international distributors

</> PROJECTS

UImpactify
(GitHub)

Online Learning Platform
(Website)

- Developed in an Agile Scrum of **7** members over **4** sprints, specializing in education for the social purpose sector
- Facilitated Daily Standup, Backlog Refinement, and Software Architecture Design meetings **following best Agile practices**
- Reduced meeting times by **50%** by developing and deploying a **Discord Bot** to supplement Daily Standup meetings
- **Core features:** Course Creation and Enrollment, Recorded Lectures and Graded Assessments, Student Analytics, Course Surveys & Ratings, Realtime Chat, Volunteer & Employment Opportunities and a Community-driven Donation System
- **Technology:** MongoDB, Express.js, Angular, Node.js, Clarity Design, Socket.io, Chart.js, Multer, GridFS, Figma, Jira

Spotify API Clone
(GitHub)

Social-centric Music Player REST API
(Documentation)

- **Core features:** Creating and following user profiles, Uploading and liking songs, Playlist generation and Querying liked songs from followers
- **Technology:** Java, Spring Boot, MongoDB, Neo4j, Microservices Architecture

Ritrovo
(GitHub)

Full-Stack Social Platform
(Website)

- Built a **REST API** and Frontend for creating posts and collaborating with users in a community dashboard with **Hashed Password Authentication**
- **Technology:** MongoDB, Express.js, Angular, Node.js, bcrypt, Mongoose, Markdown, Heroku

Noten
(GitHub)

Cloud Based Grade Management Application
(Google Play)

- Developed using a single codebase, deployable to both **iOS** and **Android**
- Implemented a flattened data store, resulting in **4x** fewer database queries on all **CRUD** operations on grades
- **Core features:** Multi-Semester and Course Management, Grade Prediction Calculator, Pass/Fail Courses, Multiple Grade Scales and Incognito Grades (Ignores Grade during GPA calculations)
- **Technology:** React Native, Firebase Realtime Database, Firebase Authentication with Google OAuth 2.0