# Pravinthan Prabagaran

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## SKILLS

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|---|---|
| Languages | Java, SQL/NoSQL, Python, C, C++, Haskell, LaTeX |
| Web Technologies | React, Next.js, GraphQL, Gatsby, Node.js, Express, Angular, Vue |
| Tools and Systems | Docker, Jest, Git, CMS, Google Analytics, Nginx, CircleCI, Jasmine |
| Agile Development | Scrum, Kanban |
| Concepts and Patterns | Algorithms & Data Structures, OOP, REST, RDBMS, Dependency Injection |

## EXPERIENCE

### OMERS | Toronto, Ontario

Associate Front-End Engineer                                    August 2021 – Present
Full Stack Developer (Co-op)                          September 2020 – August 2021

- Utilized Next.js, Redux, and GraphQL/REST APIs to develop a cloud application that is used by the pension services team to serve pension members, migrating away from the old system to free resources
- Developed a middleware between JIRA and ServiceNow that automates work pipelines, saving $15,000/year in ServiceNow subscriptions
- Leveraged Gatsby and Contentful to develop an application that will be used every quarter to create newsletters. Latest newsletter can be found at newsletter.omers.com
- Used React and Google Analytics to individually develop a reusable quiz site that gathers statistics about the pension community, allowing OMERS to adapt to its members. It can be found at quiz.omers.com

### UNIVERSITY OF TORONTO | Mississauga, Ontario

Web Developer                                              June 2020 – August 2020

- Expanded feature set for UTORMAT, a tool that generates, presents, and automatically marks sets of algorithmically generated questions for students and instructors
- Developed in Vue, TypeScript, and CouchDB, and wrote unit tests to minimize disruption to students
- Communicated effectively with the product owner to resolve issues within tight deadlines, resulting in multiple exams being held without disruption

### OPENTEXT | Richmond Hill, Ontario

Software Developer (Co-op)                              May 2019 – December 2019

- Followed the Scrum framework by participating in daily stand-up meetings, sprints, and reviews
- Engaged in creating and reviewing documentation, testing, debugging, and code reviews
- Designed and developed Struts 2 action classes and JSPs for the MVC view layer
- Implemented business logic using Entity and Session Beans to interact with different RDBMSs

## EDUCATION

### UNIVERSITY OF TORONTO | HBSc Software Engineering                    2017 - 2022
GPA: 3.29

## PROJECTS

### COOPERATEX | MEAN, WebSockets, Docker, Nginx, CircleCI | ○      February 2020 – April 2020

- Developed a web app for users to collaborate and edit LaTeX documents in real-time
- Leveraged Angular, Node.js, and Express to develop the front-end and back-end, and WebSockets for real-time collaboration between different users
- Containerized the application using Docker, set up a reverse proxy server using Nginx, configured continuous integration and deployment using CircleCI, and hosted using DigitalOcean
- Utilized MongoDB Atlas and Amazon S3 to ensure data is maintained throughout deployments