Pravinthan Prabagaran

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SKILLS

Languages	Java/Java EE, SQL/NoSQL, Python, C, C++, Haskell, LaTeX
Web Technologies	React, Gatsby, Angular, Vue, Node.js, Express, MongoDB, WebSockets
Tools and Systems	Contentful, Google Analytics, Git, Docker, Nginx, CircleCI, Karma, Jasmine
Agile Development	Scrum, Kanban
Concepts and Patterns	OOP, MVC, REST, RDBMS, Singleton, Pub-Sub, Dependency Injection

EXPERIENCE

OMERS | Toronto, Ontario
Full Stack Developer (Co-op) — September 2020 – December 2020

- Leveraged Gatsby and Contentful to develop a template that will be used every quarter to create newsletters. Latest newsletter can be found at newsletter.omers.com
- Utilized React and Google Analytics to solely develop a reusable quiz site that was sent out to gather statistics about the pension community, allowing OMERS to adapt to the needs of its members. It can be found at quiz.omers.com
- Developed a middleware between JIRA and ServiceNow that automates work pipelines, saving $15000/year in ServiceNow subscriptions

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 backlogs, 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 (SQLServer, PostgreSQL, Oracle, HANA)
- Leveraged Hibernate ORM to map POJOs to database tables and to aid DDL, DQL and DML commands

EDUCATION

UNIVERSITY OF TORONTO | HBSc Software Engineering
2017 - Present

GPA: 3.25

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