Pravinthan Prabagaran

(647) 983-8434 | Richmond Hill, Ontario

🌐 pravinthan.com ✉ pravinthan.prabagaran@gmail.com in/pravinthan-prabagaran ⌂/pravinthan

SKILLS

Languages	Java/Java EE, SQL/NoSQL, Python, C, C++, Haskell, LaTeX
Web Technologies	Node.js, Angular, Vue, Express, MongoDB, WebSockets, HTML5, CSS3
Tools and Systems	Git, SVN, Docker, Nginx, CircleCI, JUnit, Karma, Jasmine, Linux, Windows
Agile Development	Scrum
Concepts and Patterns	OOP, MVC, REST, RDBMS, Singleton, Pub-Sub, Dependency Injection

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
- Containerised the application using Docker, set up a reverse proxy server using Nginx, configured continuous integration and deployment using CircleCI and hosted using DigitalOcean
- Utilised MongoDB Atlas and Amazon S3 to ensure data is maintained throughout deployments

NBA VISUALIZER | Node.js, Angular, Express, HTML5, CSS3 | 🌐 ⌂ November 2019 – February 2020

- Developed and deployed a progressive web app for user-friendly NBA schedules, box scores, play-by-play data and more
- Designed the UI using the Angular Material framework, keeping mobile and desktop UX a priority
- Implemented REST APIs to retrieve past, live and upcoming game information from the official NBA APIs

EDUCATION

UNIVERSITY OF TORONTO | HBSc Software Engineering   2017 - Present
GPA: 3.25

EXPERIENCE

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

INTERESTS

Basketball, building computers, exploring new technologies