

Pravinthan Prabakaran

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SKILLS

Full Stack Development, Algorithms and Data Structures, Data Science

LANGUAGES

Java/Java EE, SQL, Python, C++, C, R

WEB TECHNOLOGIES

JavaScript ES7 (Node, Angular, Gatsby), REST, HTML5, CSS3

TOOLS AND SYSTEMS

Git, SVN, JUnit, Linux, Unix, Windows

AGILE DEVELOPMENT

Scrum

CONCEPTS AND DESIGN PATTERNS

OOP, MVC, RDBMS, Singleton, Dependency Injection

PROJECTS

TIMETABLE OPTIMIZER | JAVASCRIPT, CSS3, HTML5, GIT

December 2018

- Developed a program which creates an optimized timetable based on user preferences (e.g. courses preferred, prerequisites) and chosen availability
- Designed the algorithm that outputs all possible timetables without conflicts and then further filters based on user preferences and availability
- Assisted in designing the UI to allow for efficient and effortless user interaction

BASH (UNIX SHELL) SIMULATION | JAVA, JUNIT 5, SVN |

June 2018 – August 2018

- Developed a Java-based bash with a large feature set in a team of 4 and tested using JUnit 5
- Utilised Subversion to manage source code and track changes along with a Scrum framework for agile, feedback-oriented development
- Implemented the shell with object-oriented design while using design patterns such as singleton and dependency injection

EDUCATION

UNIVERSITY OF TORONTO | ONTARIO, CANADA | HBSc SOFTWARE ENGINEERING

2017 - Present

GPA: 3.20

EXPERIENCE

OPENTEXT | ONTARIO, CANADA

SOFTWARE DEVELOPER (INTERNSHIP)

May 2019 – December 2019

- Followed the Scrum framework by participating in backlogs, daily stand-up meetings, sprints and reviews
- Engaged in documentation, testing, debugging, documentation guide reviews 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, DML commands

CINEPLEX | ONTARIO, CANADA

SUPERVISOR

October 2018 – May 2019

CAST MEMBER

April 2018 – October 2018

- Received employee of the month award for being resilient and reliable, leading to a promotion
- Supervised and delegated daily tasks to a group of 10 coworkers to ensure smooth business operations
- Maintained inventory by managing product quantities, lessening downtime of overall workflow

INTERESTS

Basketball, building computers, exploring new technologies