SARANYA VIDYANANTHAN

Software Developer

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EXPERIENCE

Android Developer   **ecobee Ltd.**

📅 Sept 2020-Dec 2020   📍 Toronto, ON

`Kotlin` `Android` `GraphQL`

- Worked with other developers, designers and product managers to develop new features using technologies including: Kotlin, Android Studio, and GraphQL.
- Integrated Amplitude analytics into the application, increasing awareness of user behaviour and driving engagement and loyalty.
- Implemented a clean architecture by effectively applying libraries and frameworks such as Dagger2.0, RxJava, WebRTC and Retrofit2.
- Enhanced the installation flow for smart products by creating custom UI components, improving overall customer satisfaction.

Backend Developer   **OANDA Corporation**

📅 Jan 2020-Apr 2020   📍 Toronto, ON

`C++` `Python` `SQL` `Java`

- Developed a microservice that handles endpoints responsible for retrieving company client information, enhancing data flow security protocols.
- Designed and implemented REST and Thrift API endpoints using SQL and C++.
- Implemented Google protocol buffers to improve communication between services and worked with Financial Information eXchange (FIX) protocols to improve communication with banks.
- Maintained product quality by participating in code reviews, executing unit and integration testing, and overseeing application deployment.
- Created test and database scripts using Python and SQL.

Software Test Engineer   **Clearbridge Mobile**

📅 May 2019-Aug 2019   📍 Toronto, ON

`Java` `Kotlin`

- Developed test scripts for automated mobile and API testing in Java for Android and iOS applications, increasing testing time efficiency.
- Integrated automated testing using continuous integration tools, improving the time to market and overall product quality.
- Investigated and fixed bugs in Kotlin for Android applications, improving application performance.
- Used tools such as Android Studio, IntelliJ IDEA, Selenium, and Charles Proxy to perform and develop test cases.

Technical Analyst   **Canadian Imperial Bank of Commerce**

📅 May 2018-Aug 2018   📍 Toronto, ON

`Bash` `SQL`

- Promoted changes into the production environment using bash scripts. Automated bash scripts for weekly jobs resulting in high efficiency.
- Worked with the Autosys Job Scheduler in JIL to automate tasks, schedule, monitor and report jobs.
- Used SQL scripts to manipulate and extract data from tables.
- Worked closely with the development team in an Agile environment.

EDUCATION

Bachelors of Computer Science / Business Option

University of Waterloo

📅 Expected April 2022

PROJECTS

Personal Website

`HTML` `CSS` `jQuery`   📅 Mar 2020

- Designed a personal portfolio to showcase internships, projects and skills.
- Implemented HTML and CSS to create a responsive and interactive design supported on all major browser platforms.
- Used jQuery to implement animations to improve user experience.

BiQuadris

`C++`   📅 Nov 2018

- Designed a Tetris game with a text display and a graphical interface for two players. Utilized object-oriented principles and polymorphism concepts to structure the classes.
- Incorporated various design patterns into the architecture including the factory method pattern, observer pattern and template method pattern to create a level system ranging in difficulty.
- Used a distributed version control system and set up a PR system in GitHub to collaborate with other team members on the project.

TECHNICAL SKILLS

`C++` `Java` `Kotlin` `Android` `C` `HTML5` `CSS3` `JavaScript` `Python` `SQL` `Racket/Scheme`

- Good understanding of Git
- Good grasp of design patterns
- Attended Agile Development Training
- Knowledge of Software Development Life Cycle
- Strong understanding of QA testing methodologies
- Implemented unit, screenshot, GUI, back-end, functionality, compatibility and regression testing