

Technical Skills

- **Coding Skills:** Write code with ABSTRACT, DRY and Object Oriented principles to ease reading and debugging of code.
 - Proficient in using: Java, C++, C#, Python, JavaScript (JQuery), JSON, CSS, HTML and SQL
- **Tools and IDE's:** Proficient in use of the following IDE's and tools that are used in the development process:
 - GIT, JIRA, IntelliJ, Android Studio, Microsoft Office, NetBeans
- **Mobile App Development:** Currently learning Android SDK's and API to develop native Android Apps while following principles and guidelines of Android.
 - Also in the process of learning Cordova to build apps across multiple platforms.

Projects and Assignments

- **Data Structures, Sorting and Searching algorithms:**
 - Implemented multiple data structures like hash tables, trees and maps and their respective traversal, sorting and searching algorithms using Java.
 - Implemented sorting algorithms included quicksort, merge sort, bubble sort, insertion sort and heapsort to sort data and also computed and determined the various complexities and Big O values.
 - Implemented postfix evaluators and infix to postfix expression converters using stacks.
- **Web design and Development:**
 - Created multiple websites as class assignments for restaurants and online magazines to display seller's products to customers and created a shopping cart forms to add functions for users to select items and purchase them online.
 - Implemented and designed an online application portal to allow agencies to submit applications to United Way TNC in Andar 360 DBMS and also styled and designed the respective webpages.
- **Leaping Frog Algorithm:**
 - Implemented a leaping frog algorithm used in engineering and genetics to produce results form a series of inputs according to a function. Used pointer application and arrays in C to implement this function and store the inputs and output datasets. The algorithm then had to sort the data sets and find the most efficient and inefficient set of inputs and return it to user to analyze.

- **Microsoft Access Database Management and Excel:**
 - Created and managed relational databases for a fictional clinic using MS Access. Created queries, forms and reports for user according to required specifications. Also linked the database to excel to export and import data from the excel files.
- **Android App Development:**
 - Created native android apps like Note Taker, Calculator, Weather App, Movies App using REST API's like [OpenWeatherMap](#) and [The Movie DB](#) API to get JSON formatted data from the servers and display it in the app.
 - Used SQLite to implement a local storage database for the app to store data retrieved from the JSON files when online and display when device is still offline.

Education

Computing Science Diploma

Thompson Rivers University - 2015-Present (Kamloops)

- Second year in computing science with a cumulative GPA of 3.79. Achieved Dean's list award in previous two semesters for outstanding performance in academics.
- Chess Player: Participated and achieved to reach the second knock out level in chess competitions at TRU Chess tournament 2016
- Volunteered as a Teaching Assistant for COMP-1130, an introductory Java course for first year students.

Advanced Sciences High School Diploma

Aga Khan High School – 2011-2013 (Kampala, Uganda)

- Graduated with one of the best grades in my high school majoring in Computers Systems and Sciences
- Received multiple honor roll awards and prizes for excellent performance in academics and sports and played for the school cricket team at a National level. In addition, a member of the chess and cricket clubs and played in multiple competitions.

Computer Repair and Maintenance Certificate

Makerere Biz Tech College – 2011 (Kampala, Uganda)

- Attained a computer repair and maintenance certificate to repair, reconfigure and backup computer systems. Mainly focused on Windows operating systems and learned how to install windows into a pc and get the related hardware drivers.

Experience

Sandwich artist

Subway Restaurants, July 2017 – Present (Kamloops)

- **Customer service:** Interacted with customers to create sandwiches according to their requirements and up to the standards of Subway to provide them with a delicious meal and memory.
- **Stock Checks and Recording:** Responsible for checking inventory to ensure efficient amount of inventory is on hand for the day and performed the necessary prep work to complete the stocking in time before rushes.
- **Teamwork:** Worked in a team of four to five artists to create customer sandwiches up to their expectations and in less time thus reducing stress and tension on each of the team members.

QA Analyst (COOP)

Atimi Software – September 2016 – April 2017

- **QA:** Worked in multiple agile projects such as a Sports team app and a food-ordering app as a QA Tester to test native mobile apps on both Android and iOS devices based on the test cases and scenarios created and also reported bugs and defects in JIRA. Also responsible for writing test cases based on new User Stories and requirements provided by the client in JIRA.
- **API-Testing:** Performed some API tests on mBAAS tools to test for connectivity, reliability and speed using JMeter
- **Reporting:** Reported on various test case management tools like QA Symphony, Test Rail and Zephyr including their limitations, advantages, usability and setting up complexity.

Technology Associate (COOP)

United Way – Thompson Nicola Cariboo – June 2016 – September 2016

- **Community Building:** Designed and created the Community Building Infrastructure for the Andar 360 Database to ease handling and organizing online applications for funds. Designed the application webpage and forms linked to the database to ease updating of records and documents.
- **IT-Services:** Provided assistance with daily tasks like computer guidance, maintenance and data entry. I was later recalled to be an on-call technical assistant to help office members with computer issues and partially continue the maintaining the webportal

JAVA Teaching Assistant (Volunteer)

Thompson Rivers University – Jan 2016 – April 2016 (Kamloops)

- **JAVA and OOP:** guided students and explained the concepts of object oriented programming and application of Java Logic in simple terms to allow easy understanding.

- **Technical support:** Helped students understand requirements of certain codes and logical questions both in lab sessions and outside class. Also graded and marked student quizzes and tests and explained to them the faults and how to counter them.

Computer Assistance and Maintenance

Freelance – Present (Kamloops & Kampala)

- **Computer Maintenance:** Help friends and family with computer maintenance and repair tasks to ease operations and activities.

Steel Fabrication Laborer

J.B.T Engineering Works LTD – 2011 – 2014 (Kampala)

- Worked with nine engineers to plan, organize and implement solutions for projects. Responsible for stocking materials and supplies in stores in a safe and organized manner.

References

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