

JAGJIT SINGH BILKHU

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PERSONAL HIGHLIGHTS

- **Reliable team player and leader:** always commended for leading and contributing to the teams in projects as well as at work to complete tasks with exceptional quality and detail.
- **Willing to learn:** take initiative to learn new things for example, self-taught Andar DBMS system, C++ and currently learning Kotlin programming language and Cordova
- **Communication Skills:** explain problems and possible solutions to fellow students during volunteering sessions in the computer support lab.
- **Problem Solving Skills:** Solved issues with computers and printers and also with various assignments during my volunteer sessions and class assignments

TECHNICAL SKILLS

- **Databases:** MySQL, Oracle 11g/12C, Microsoft SQL, MS Access, SQLite
- **Programming:** Java, C/C++, Python, HTML, CSS, JavaScript(Pure JS & JQuery), Bootstrap, Android, Firebase, JSON parsing, Kotlin (Self Learning), WordPress, Web Flow
- **Applications & OS:** Git, JIRA, MS Office Suite, IntelliJ, Eclipse Android Studio, Linux, Windows XP,7,8,10, Mac OS

PROJECTS AND ASSIGNMENTS

Native Android Development:

- Created native android apps like Note Taker, Calculator, Weather App, Movies App using data provided by sources like OpenWeatherMap and The Movie DB API's in a JSON formatted data from the servers.
- Used Android Architecture Components such as Room-SQLite DB, Recycler views, Services, Content Providers and also used Firebase to have web storage and connectivity

Web design and Development:

- Using Andar DBMS, created a web portal to allow agencies to login, fill in forms and attach documents to apply for funding from United Way.
- Used WordPress and Web Flow to create and design multiple web pages for United Way and also for restaurants
- Created multiple websites from scratch using HTML, CSS, JavaScript, JQuery and Bootstrap as class assignments for restaurants and online magazines to display seller's products to customers.
- Implemented shopping carts and forms to add functions for users to select items and add them to cart

Relational Database Design and Implementation:

- Designed relational databases for class projects using MySQL, Oracle 12C and MS Access.
- Implemented Conceptual, Logical and Physical designs for the relational database using SQL and fed in sample data to perform multiple transactions on tables.
- Created functions, procedures, triggers and sequences using Oracle 12C to validate and process data entry before or after an SQL statement is processed.

EDUCATION

Computing Science Diploma

Thompson Rivers University - 2015-Present (Kamloops)

Advanced Level Sciences High School Diploma

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

WORK & VOLUNTEER EXPERIENCE

QA Analyst (COOP)

Atimi Software (Vancouver) - September 2016 - April 2017

- Worked in multiple agile projects, a Sports team app and a food-ordering app as a QA Tester, testing on Android and iOS
- Verified user stories, and generated test cases for them and later verified bug fixes to ensure stable and quality releases
- Executed test cases to discover errors and optimize usability.
- Recorded defects into JIRA with well explained but brief descriptions to help developers identify and solve them

Technology Associate (COOP)

United Way-Thompson Nicola Cariboo (Kamloops) - June 2016 - September 2016

- Andar Web Portal: Designed and created the online Community Building web portal with the Andar Database to improve process of handling and organizing applications for funds
- This allowed United Way to reach more agencies across the region and process the applications in a more convenient process.
- IT-Services: Provided assistance with daily tasks like computer setup, maintenance and data entry.
- Web Design: Used WordPress to create and edit web pages for the unitedwaytnc.ca website.

Team Lead

Subway Restaurants (Kamloops) - July 2017 - Present

- Customer service: Interacted with customers to create sandwiches up to the standards of Subway and provide an exceptional experience to customers.
- Teamwork: Work in a team and coordinated tasks and activities among team members.
- Ensure quick service as well as keep up cleanliness standards and hygiene in the restaurant.

BC Winter Games Computer & Communications Support (Volunteer)

February 2018(Kamloops)

- Volunteered as a Computer and communications assistant during 2018 BC Winter games. Responsible for setting up and taking down computers.
- Provided technical and networking support in the results center to allow quick uploading of event results to the website

Computer Science Support Lab (Volunteer)

Thompson Rivers University (Kamloops) - Jan 2018 - Present

- Volunteering as a support lab member to help fellow students by explaining various approaches and methods to tackle assignments and projects.
- Help students in Java, JavaScript, Python, and Android development.

Java Teaching Assistant (Volunteer)

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

- Guided students and explained the concepts of object oriented programming and application of Java Logic in simple terms to allow easy understanding.
- Graded quizzes, assignments of students and provided corrections to errors.

REFERENCES

Amy Berard

(Community Impact Manager - United Way TNC)

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(Senior Instructor TRU)

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(QA Lead - Atimi Soft Ware)

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