Tanvir S. Duggal

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SUMMARY OF QUALIFICATION

- Experienced software developer with over 2.5 years of experience working in corporate industry and handling robust code for high business demands
- Passion for programming with strong hand over logics and able to map out a rough architecture before implementation
- Experienced in broad range of technical skills including Programming, Database, Networking and architectural along with usage of object-oriented system for constructing exceeding product
- Well versed to work in agile methodology to devise software
- Accountable exposure to different programming skills including Java, C++, Python, C# & VB.net for developing efficient logics for system
- Pragmatic experience on web-based languages as HTML5, CSS, JavaScript, PHP & ASP.net for building web-based applications.
- Ability to work on different databases including Oracle, SQL-Server and MySQL for storing data in an efficient manner. Theoretical expertise to develop efficient ER Diagram for pre or post study of database.
- Attained and executed Hadoop cluster skills with open source software like Hive, PIG and Sparks for monitoring and maintaining data flow among various clusters and servers.
- Exercised to work on various Machine Learning models for classification and regression including SVM, Naïve Bayes and Random Forest, also Deep Learning Models like Artificial Neural Network, Recurrent Neural Network and Convolution Neural Network for attaining the same
- Incorporated data visualizing tool "Grafana" for graphically representing database data.
- Attained version control software skills with GIT and virtualizing tool Docker for maintaining the code efficiently
- Cooperative team player and can also works individually with minimum supervision

WORK EXPERIENCE

Co-op Software Developer   Sept 2018 – Dec 2018
BlackBerry Limited
- Coached to work on Hadoop environment with open-source software as HIVE, PIG and Sparks.
- Facilitated to develop Oozie Script to schedule Hadoop jobs with Oracle servers.
- Constructed Python script to analyze Oozie job failure, that reports various stances of failure.
- Explored and formulated "Grafan", a monitoring and visualizing tool. Fabricated various dashboard using bar graph and line graph for different teams to monitor their flow of data and help to debug any unusual activities among them.
- Merged in the team to work on project for data dimensioning and staging in the Hadoop cluster the for maintenance of one of the running cluster.

Software Engineer   July 2017 – July 2018
San Data System a Division of Red Cloud Computing
- Adapted to Hitachi product Lumada which acts as IOT platform and Pentaho which is big data software.
- Handled built in object of Pentaho "CPython", for performing clustering algorithm
- Executed automation servers Jenkins to create an efficient pipeline for developing, testing and deploying software. Designed training material for novice and assist them in the developing their basic skills on Jenkins.
- Managed Logs from server using python scripts and Pentaho report designing. The logs are processed output it in JSON format. Further in Pentaho report designing we create a ".xls" file out of it.

Game Developer   Sept 2016 – June 2017
Ommzi Sol. Pvt. Ltd.
- Implemented hybrid games in Unity game engine using C# and use of various game theory algorithms as A* and MiniMax.
- Designed and documented initial concept for game structure including game play and technology to be used.
- Developed 3D game "Battle Cow" in the team of 12 persons, including developers, designers, web services developers and architects.
- Explored Augmented Reality assets Vuforia, to create a application that would interact with surrounding
- Programmed on various Rest API services including Facebook, Twitter and Google.

Intern Software Engineer   Jan 2016 – May 2016
Towards Vision Technology
- Acclimated company product C-Zentrix, a customer engagement software.
- Provided comprehensive support to customers, provide best solution to problems or issues.
- Computed to shape C-Zentrix as per clients demands by adding or changing current features.
- Revised C-Zentrix's security feature by adding or updating many key features including server-side validation and encrypt certain data to be stored in database.
- Researched on implementing Docker for executing multiple product on a single system.

EDUCATION

- Expected 2019 **Advance Diploma (Fast Track) in Software Engineering Technology, Centennial College.**

- 2016   **Bachelor of Technology in Computer Science & Engineering, Doaba Group of Colleges.**

PROJECTS

- **MelaninBay (NSBE Hackathon 2019):** Developed web-based application with the aim to help minority group circulate the flow of money in an efficient way among them. Explored and formulated Google Firebase as database medium and use of HTML and Bootstrap for front end design.

- **Toll Management:** This project deals with management software for toll booth over highways. The record of incoming and outgoing vechile as Total Rent, Vechile Number, Time IN, Time OUT, Type of vechile are stored in database. It also contains storage for all the employees working for the toll company with their respective designation.

VOLUNTEERS AND CONFERENCES

- Attended **NSBE Hackathon** on January 26th 2019 at **University of Toronto.**

- Conference on **Blockchain & Smart Cities** by **The Blockchain Hub** on May 8th 2018 at **York University**

- Conference on **How AI can stop mass atrocities** by **AI Geek** on May 2nd 2018 at **Toronto**