Keerat SINGH

☐ 778-871-6512   ✉ keeratsingh@outlook.com
⌂ keerats.com   in keerat-singh-14449660
🐦 iamkeerat   git keeratsingh

TECHNICAL SKILLS

LANGUAGES: C++, C#, SQL, LINQ, XAML, HTML/CSS, Shell Scripting, JavaScript

TECHNOLOGIES: WPF, ADO.NET, UWP, Azure Mobile Service, WCF, ASP.NET, REST, JSON, Docker

OPERATING SYSTEMS: Windows, Linux, Mac, Unix   **IDE:** Visual Studio, Qt Creator, Eclipse

NON-TECHNICAL SKILLS

- Solid quantitative background
- Disciplined with a keen sense of responsibility
- Ability to work in a team and conduct rational reasoning
- Highly adaptive and quick learner
- Excellent communication skills
- Strong understanding of OOP concepts
- Self motivated, confident and optimistic
- Curious to explore modern technologies

TECHNICAL WORK EXPERIENCE

COMPUTER SCIENTIST, Simba Technologies, Vancouver, Canada [C++]   [May **2015** – Present]

- Implemented, developed and wrote design documents for new features intended for the ODBC Driver
- Designed and coded in agile development practices according to the application requirements
- Generated unit tests and enhanced the existing test suite for the new features
- Executed regression tests and validated ODBC Driver builds across 9 different platforms

PROJECT ENGINEER, Wipro Technologies, Bangalore, India [C#, C++, XAML]   [Dec **2012** – Aug **2014**]

- Developed the Entertainment and VR module of the HMI for a renowned automotive client
- Recognised for client service excellence by identifying root cause of HMI freeze showstopper issue
- Replaced manual booking by LAN accessible system, decreasing time and effort by 83%
- Integrated Winforms NotifyIcon class into WPF notifying each end user of their booking
- Published a research paper on "Implementing COBS ZPE in C#" *(IRAJ SCIEI-IACEECE-OCT-2013)*

PERSONAL PROJECTS

MICROSOFT BAND CUSTOMIZER   XAML C#

- Created a UWP app to customize MS Band with over 141 colors.
- Ability to modify all 6 Band color classes individually to create limitless combination

BING IMAGE OF THE DAY   XAML C#

- Parsed URL from JSON string retrieved from Bing API using native and third party parsers

RESTFUL WCF SERVICE   C#

- Demonstrated a RESTful WCF service using JSON messages hosted on Azure Web App
- Performed CRUD operations on an Azure SQL Database using Entity Framework
- Performed 2 Phase Commit WCF transaction using TransactionScope class

WINDOWS 10 UWP APP   XAML C#

- Demonstrated the Adaptive UI capability using visual states and adaptive triggers
- Implemented and deployed UWP app across Windows 10 PC, Surface, Mobile, Raspberry Pie 2

TEACHING ASSISTANT

SIMON FRASER UNIVERSITY, Burnaby, Canada

CMPT 126 Introduction to Computer Science and Programming in C++   [Jan **2016** – Apr **2016**]

CMPT 120 Introduction to Computer Science and Programming in Python   [Sep **2014** - Apr **2015**]

EDUCATION

SIMON FRASER UNIVERSITY, Burnaby, Canada   Master of Science – Major in Computing Science

PUNJAB TECHNICAL UNIVERSITY, Punjab, India   Bachelor of Technology – Major in Computing Science