**Software Developer**

Nokia Experienced Software Developer | Huawei Product Manager | PMP | CCNA

**HIGHLIGHTS OF QUALIFICATIONS**

* Deep understanding of variety programming languages and Agile project experiences
* Being able to bridge the gap between software design and customer requirements
* Rich experiences of providing and demonstrating solutions with details to customers
* During first semester study, successfully delivered one website to a business customer
* Currently enrolled in the Software Engineering Technology Advanced Diploma program (GPA 4.4/4.5)
* Worked as peer tutor in subjects including data base, web design, programming, and math
* On time delivered more than 20 software based projects to various customers

|  |
| --- |
| **TECHNICAL SKILL S** |
| **Programming Languages:** HTML5/CSS3, JavaScript, C#, Java, C, C++, PHP, SQL |
| **IDE/Tools:** XAMPP/LAMP, Visual studio, Sql developer, Eclipse, git, svn |
| **Operation Systems:** Windows, Linux |

|  |  |
| --- | --- |
| **CERTIFICATIONS** | |
| **PMP** (#1783083) | **CCNA** **R&S** (#1553369450) |
| **SCRUM FUNDAMENTALS** (#92775) | **SIX SIGMA YELLOW BELT** (#70568) |

**PROFESSIONAL EXPERIENCE**

**Industry Partnership**

Centennial College, Toronto Jan 2017 – Presents

* Quickly remodeled one website to a consultant company (www.cpaterson.com) by converting Adobe based to HTML5/CSS3, Javascript based in three days with high quality. Replaced HTML code structure from deep nested tables to well organized div elements. Converted flash video format to mp4, ogg, and webm to support main stream browsers. Adopted templates to reduce 30% lines of code. Improved the website performance rating from 60 to 80
* Engineered one database for a fitness club. Performed normalization and designed ER diagram. Satisfied complex business requirements through SQL scripts
* Developed one student login system based on LAMP. Established MySQL database on Linux and introduced PHP to connect HTML page and database
* Created one user-friendly and commercial look like yacht selling website by implementing complex CSS, third party font library, and google map API
* Designed one parking lot application as system analyst. Established subsystems, work flows, use cases, domain class diagrams, message flows, and state machine diagrams

**Embedded Software Developer**

Nokia, China Jan 2010 – Oct 2015

* Achieved consecutive three outstanding performance evaluation rating at Nokia from 2012 to 2015
* Implemented 16 C++ features of LTE product with low bug rate and zero project delay
* Presented and successfully co-announced cell edge interferences solution on MWC with customer Korea Telecom. Established end to end environment with core network, access point and terminals. Role as team leader in charge of designing the solution, programming the OSI layer 2 part, and integration test
* Analyzed China Mobile network upgrade requirements. Designed one cost-saving solution to use software IQ compression to replace the hardware solution. Helped with deploying this feature successfully launched more than 1000 sites
* Provided 12 solutions for China Mobile bidding test by adopting fast track method. Increased case pass rate from 69% to 94%

**DSP Software Engineer**

Datang Mobile, China Apr 2008 – Jan 2010

* Designed key scheduler module of MAC layer. Programmed more than 20K lines of code
* Published one patent: “Fast Algorithm for Physical Resource Block Channel Aware”, CN201010280126.0
* Rewarded as Best New Staff among 120 candidates in 2008

**OTHER EXPERIENCE**

**Peer Tutor**

Centennial College, Toronto Sep 2017 – Presents

* Guided students in all software relevant courses by accurately targeting their needs and well organized examples. Received high positive feedback from peers

**Wireless Product Manager**

Huawei, Markham Oct 2015 – Jan 2016

* Developed excellent customer relationship within one month through keen understanding of their needs
* Checked customer BELL’s concern about unstable cell throughput KPI. Identified design flaw as the root cause of Carrier Aggregation feature. Solved this issue by re-designing cell throughput KPI formula
* Solved customer TELUS’ network low band 29 usage rate by analyzing both network and terminal device logs. Proved the third party cellphone’s bug and provided workaround solution to maintain customer experience before the correction was officially released

**EDUCATION**

**Advanced Diploma** of **Software Engineering Technology Co-op Diploma** Jan2017 – Present

Centennial College, Toronto, ON

**Master** of **Electromagnetic Field and Microwave Technology**

Beijing University of Posts and Telecommunications

Equivalent to Canadian Master’s Degree assessed by World Education Services