

Sum Wan FU

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<https://fusumwan.github.io/portfolio/> | <https://github.com/fusumwan>

CAREER PROFILE

With over three years of specialized experience in Java, Spring MVC, Spring Boot, and Hibernate, complemented by six years of proficiency in ASP.NET WebForm C# 2.0/3.5, I am a seasoned Full-Stack Developer. My expertise extends to using React JS and Vue JS for front-end development, where I focus on creating cohesive and dynamic user interfaces. As a graduate in Computer Science from the University of Adelaide, my academic background has fostered a profound interest in Artificial Intelligence and Machine Learning. This interest is driven by a commitment to leverage technology for societal advancement. My approach to development is characterized by a combination of enthusiasm, adaptability, and creativity, allowing me to devise and implement robust technological solutions that align with organizational goals. I am particularly adept at integrating Machine Learning techniques with streamlined web applications, optimizing them for maximum utility and efficiency. My ultimate goal is to contribute meaningful, innovative solutions that resonate with both the company's objectives and the broader technological landscape.

RELEVANT SKILLS

Programming language

- Java, Python, C#, C++, JSP, R, HTML, CSS, Javascript, JQuery, Rect JS, Vue JS, Matlab

Framework

- Spring MVC, Spring Boot, Hibernate, ASP.NET

Databases

- MySQL, MSSQL, Oracle

Source Control

- SourceTree, Github, TortoiseSVN

Software

- Visual Studio Code, Eclipse

OS

- Window, MAC, Linux

PROFESSIONAL EXPERIENCE

Automated Systems (HK) Limited

Hong Kong, China

Analyst Programmer

May 2013 – May - 2016

- Engage in programming tasks using a diverse set of technologies and languages including Java, Spring MVC/Boot, Hibernate, ASP.NET, MSSQL 2005, ORACLE, JQuery, JavaScript, HTML5, XML, CSS, and JSON.
- Develop web-service functionalities using Java for PDAs, specifically targeting the Windows Mobile 6.5 platform using C#.
- Design, develop, and maintain Java web applications, focusing on cache servers operating on the Red Hat OS.
- Developed a PIDS-PDA application with domain-driven design (DDD) architecture to implement in the Hong Kong Department Of Health, the PDA is using a Windows Mobile 6.5 platform.
- Java web applications design, development & maintenance.

Tools used: Java, C#, JavaScript, JQuery, SQL, HTML, CSS, Bootstrap, MySQL, ORACLE, MSSQL

ICLP

Hong Kong, China

Analyst Programmer

Oct-2012 – Jan-2013

- Maintaining the CTF CRM system.
- Maintaining the e-card reader system.
- Developed a new XML Financial report system for CHOW TAI FOOK, which has to cater to validation and maintain a list of finance rules with the standard implementation of rules.
- Web programming with ASP.NET, MSSQL 2005/2008, JQuery, JAVASCRIPT, Ajax. JSON, CSS.
- Developed a new JHC CRM survey system with independent work.

Tools used: ASP.NET C#, Javascript, JQuery, SQL, HTML, CSS, Bootstrap, XML, MySQL, MSSQL

Classroom Hong Kong, China
Analyst Programmer June-2012 – Sep-2013

- Engaged in web development using technologies such as ASP.NET, MSSQL, JQuery, JavaScript, Ajax, and JSON.
- Independently designed and launched a new online Math homework platform.
- Developed a new online math homework system with independent work.

Tools used: ASP.NET C#, Javascript, JQuery, SQL, HTML, CSS, Bootstrap, MySQL, MSSQL

Telelink (HR Company) Hong Kong, China
Analyst Programmer Dec-2008 – June-2012

- Worked onsite at PCCW, focusing on the design interplay between business logic (covering validation and business rules) and the corresponding physical models.
- Developed a user control library that supports data binding, offering an abstract model tailored for UI developers.
- Implemented an N-tier architecture that features N-level undo capabilities.
- Spearheaded and managed large technical projects.
- Designed FTP tools for uploading and systems for email exports.
- Mastered the capability to implement validation, curate and adhere to business rules, and enforce these with established standards. Further integrated authorization rules at both object and property levels.
- Conducted web development using technologies such as ASP.NET, MSSQL, ORACLE, JQuery, JavaScript, Ajax, HTML5, JSON, and XML.
- Developed a web application/RIA with ASP.NET C# for the department of PCCW 3G Mobile retention with independent work

Tools used: ASP.NET C#, Javascript, JQuery, SQL, HTML, CSS, Bootstrap, MySQL, MSSQL

TIM EDPlatform Ltd Hong Kong, China
Programmer Mar-2006 – April-2007

- Independently developed web applications using ASP.NET.
- Engaged in web application development using PHP3, working both independently and collaboratively with teams.
- Managed Windows server and client projects with autonomy.
- Programmed web services and web user controls.
- Remotely accessed client Linux OS for web application maintenance.
- Utilized a range of technologies for web programming, including ASP.NET, MSSQL, PHP3 (integrated with our company's framework), MYSQL, JavaScript, and Ajax.
- Developed C# window application with server-client side design for the library system.

Tools used: ASP.NET C#, PHP3, Javascript, JQuery, SQL, HTML, CSS, MSSQL

Bechelon Consulting Hong Kong, China
Junior Web Designer Oct-2005 – Nov-2006

- Designed interfaces for web and web applications.
- Collaboratively developed web applications using ASP.NET and MSSQL.
- Engaged in web programming using PHP3, MYSQL, and JavaScript.

Tools used: ASP.NET C#, PHP3, Javascript, SQL, HTML, CSS, MYSQL, MSSQL

PROJECT EXPERIENCE

BAO-ASC May 2015 – May - 2016

- Maintenance Job
- Fixed bugs

Tools used: Java, Spring, Hibernate, Oracle, Mysql, JQuery, Javascript, CSS, HTML

DH-PIDS Web-Platform May 2013 – May - 2016

- Developed Stock Take/Movement
- Developed Label for Handheld
- Developed Zebra for handheld-related function

- Fixed the bug of the dispensing module or component function.
- Fixed the bug of the Ocean Fax function
- Developed Ph1 & Ph2 reports for DH-PIDS Web Platform
- Developed CIMS-PIDS Maintenance and Enhancement Jobs
- Developed GFMIS (Part 2: Download Module)
- Developed DH-PIDS Load test

Tools used: Java, Spring, Hibernate, Oracle, Mysql, JQuery, Javascript, CSS, HTML

Clinic Dispensing Window Mobile App (Window Mobile CE 5.5) May 2013 – May - 2016

- Developed DH-Clinic Dispensing Window Mobile APP (PDA Phase 1), DH-PM Inventory Window Mobile Developed Multi-PDA Server (Connecting multiple PDA to the server using network programming)

Tools used: C#. Window Mobile CE5.5, SQL

Hong Kong Police Force Mobile App (Window Mobile CE 5.5) May 2015 – May - 2016

- Developed creating, deleting, selecting, management driving tickets.
- Developed Zebra Label printing for Handheld.

Tools used: C#. Window Mobile CE5.5, SQL

HAD VRE Web-based Enquiry System (SRA) May 2015 – May - 2016

- Fixed bugs

Tools used: Java, Spring, Hibernate, Oracle, Mysql, JQuery, Javascript, CSS, HTML

HKCSD Mobile App Enhancement jobs May 2015 – May - 2016

- Added several new HKCSD report functions.
- Added a new search feature that makes it easy for families to find out what their loved ones are doing inside the prison.

Tools used: Java, Spring, Hibernate, Oracle, Mysql, JQuery, Javascript, CSS, HTML

CTF CRM system Oct 2012 – Jan - 2013

- Maintaining the CTF CRM system.

Tools used: C#, Asp.net, MSSQL, JQuery, Javascript, CSS, HTML

E-card reader system Oct 2012 – Jan - 2013

- Maintaining the E-card reader system.

Tools used: C#, Asp.net, MSSQL, JQuery, Javascript, CSS, HTML

XML Financial report system for CHOW TAI FOOK Oct 2012 – Jan - 2013

- Maintaining the XML Financial report system for CHOW TAI FOOK

Tools used: C#, Asp.net, MSSQL, JQuery, Javascript, CSS, HTML

Online Math Homework Platform June 2012 – Sep- 2012

- Independently designed and launched a new online Math homework platform.

Tools used: C#, Asp.net, MSSQL, JQuery, Javascript, CSS, HTML

PCCW Order System Dec 2008 – June- 2012

- I was responsible for developing the PCCW 3G mobile retention order system and mobile quota system which support PCCW consumer group call centers's work. E.g. PCCW 3G Mobile Retention Order System, iPhone Quota System, Free Gift / Premium Quota System, and Searching engine of Broadband network coverage.

Tools used: C#, Asp.net, MSSQL, JQuery, Javascript, CSS, HTML

Library system Mar 2007 – Mar- 2008

- Developed C# window application with server-client side design for the library system.

Tools used: C#, MSSQL, Winsock

TIM-EDPlatform system Mar 2007 – Mar- 2008

- Engaged in web application development using PHP3, working both independently and collaboratively with teams.

Tools used: PHP3, MySQL, Javascript, JQuery, Apache, Linux,

CRM System for Industry Oct 2005 – Nov- 2006

- Designed interfaces for web and web applications.
- Collaboratively developed web applications using ASP.NET

Tools used: C#, Asp.net, MSSQL, Html, CSS

EDUCATION

University Of Adelaide Adelaide, Australia
Honours Degree of Bachelor Computer Science Jan 2021– DEC 2021

- GPA 5.825, University of Adelaide Mathematics Society, University of Adelaide Computer Club

University Of Adelaide Adelaide, Australia
Bachelor of Mathematical and Computer Sciences in Artificial Intelligence Jan 2018– DEC 2020

- GPA 4.712, Artificial Intelligence Major, University of Adelaide Mathematics Society, University of Adelaide Computer Club

Coventry University Coventry, United Kingdom
Bachelor of Science with Honours in Computing June 2014 – Nov 2015

- First class honours, Oversea Studying at VTC Shape (School for Higher and Professional Education) in Hong Kong.

Coventry University Coventry, United Kingdom
Bachelor of Science with Honours in Creative Technologies June 2007 – Oct 2008

- Upper second class honours, Oversea Studying at VTC Peak in Hong Kong

VTC PEAK Hong Kong, China
Professional Diploma in Game Development ITS87 June 2006 – June 2007

- C++ Game Development Foundation (Grade A)
- 2D Game Development Professional Program (Grade A)
- 3D Game Development Professional Program (Grade A)
- Online Game MMORPG Development Professional Program (Grade B)
- J2ME Mobile Game Development Professional (Grade A)
- Awarded EIAEC MMORPG Programming
- Awarded EIAEC 3D Programming Development
- Awarded EIAEC 2D Programming Development
- Awarded EIAEC C++ Programming Development
- Awarded EIAEC J2ME Programming Development
- Having successfully completed the foundation diploma, the diploma in IT Expert, and the diploma in graphic design, VTC PEAK recognized my qualifications and extended an offer for me to join the Professional Diploma in Game Development ITS87 program.

WELKIN Hong Kong, China
Diploma in Graphic Design June 2005 – June 2006

- Awarded WELKIN Diploma in Graphic Design

UNISOFT Hong Kong, China
Diploma in IT Expert June 2001 – June 2002

- Awarded UNISOFT Diploma in IT Expert

Hong Kong Computer Institute Hong Kong, China
Foundation Diploma in Computing June 2000 – June 2001

- Information Technology Fundamental (D)
- Relational Database and Programming (P)
- Introduction to Hypertext and Hypermedia (D)
- English for Business 1 (P)
- Business Accounting (D)
- Information System In Organizations (D)
- Communication Skills for Computing (C)
- Data Structure and Algorithm Analysis (D)
- Business Accounting II (D)
- Mathematics and Statistics for Computing (HD)

Secondary 6 Hong Kong, China
NT HEUNG YEE KUK SOUTHERN DISTRICT SECONDARY SCHOOL 1999

Secondary 4-5 Hong Kong, China

KING LING COLLEGE

Hong Kong Certificate of Education Examination (1998) 1998

- Mathematics(C)
- Additional Mathematics(D)
- Biology(D)
- Physics(D)
- Chemistry(E)

- English(F)
- Chinese(F)

Secondary 1-4 (I transferred schools when I was in Form 4)
Grace Foundation Secondary School
1996

Hong Kong, China
June 1993 – June

ADDITIONAL

- Certification: Cloud Essentials was issued by Amazon Web Services Training and Certification to Sum Wan FU.