



Tim Hsu

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Profile

Worked in software development for 15+ years. Started in Silicon Valley, then moved to HK. Majority time was a C++ developer but recently moved to C#.NET. Consider myself a Fullstack developer with some frontend knowledge. Very good with design patterns, algorithms, web apps, Fintech, and Blockchain.

Certified SCRUM Master using Agile methodology, CI/CD, and Test Driven Development.

Education

[San Francisco State University](#) - B.S. Computer Science. 2002.

Technical Skills

Modern C/C++ 11/17/19	C# .NET Core 5
OOP & Design Patterns	Data Structures & Algorithms
Agile, CI/CD, TDD, SCRUM	WPF, MVC, WCF, MVVM
MySQL, Store Procedures	MSSQL, T-SQL, Views
TCP/IP Sockets, Boost ASIO	Sys Calls, RPC, IPC & Multi-threads
HTML5, CSS3, JS, Web 2.0	Blockchain, DLT, PoW, PoS
Windows Services	Linux, Bash

Professional Working History

UNDISCLOSED FINTECH CO.	January 2019 - Present
Senior C++/C# .NET System Analyst	Causeway Bay, Hong Kong
<ul style="list-style-type: none">Managed high-frequency FIX trading platform written in C++ 17, Boost ASIODeveloped new derivatives trading platform in C# .NET Core, WPF, MVVM, PrismWrote various micro-services in both C++/C#, C++/CLI, Windows Services	
Avanade	November 2017 - December 2018
Senior .NET Consultant	Quarry Bay, Hong Kong
<ul style="list-style-type: none">Provided .NET consultancy to various fortune 500 clients, including AccentureUsed C# Web API 2.0, MVC, Message Queue, Asynchronous calls, MSSQL, MSUnitWorked in Agile/SCRUM methods including CI/CD, TDD, BDD, SpecFlow, refactoringHelped in DevOps, releases, Jenkins, JIRA, Confluence, Selenium, Microsoft 365 dynamics	
Concord Pacific Satellite Technologies Ltd.	November 2015 - June 2017
Lead Analyst Programmer	Kowloon, Hong Kong
<ul style="list-style-type: none">Lead cross-regional Agile team to develop GPS Fleet Management SAAS solutionLead front-end development team using Javascript, JQuery, AngularJS, JSON, BootstrapRevamped SOA backend using C# .NET, MySQL, TCP/IP sockets, threads, SOAP & WCF APIsIntroduced to team: Agile, TDD, NUnit, MantisBT, SVN, GIT, Skype, Google Maps	
Global Talent Services Ltd. - Unisys Hong Kong Ltd.	January 2015 - November 2015
Contrator / Developer	Kwun Tong, Hong Kong
<ul style="list-style-type: none">Independant contractor implemented banking Signature Web Viewer Verification systemFullstack using VB/C# .NET, WCF, HTML5, CSS3, AngularJS, JQuery, AJAX, REST, MSSQLPart of full SDLC in various phases, staging, SIT, UAT, then LIVE	
Sungard Global Trading Ltd.	August 2011 - December 2014
Software Engineer	Central, Hong Kong
<ul style="list-style-type: none">Participated in development of real-time trading platform in WIN32 C++Worked with various teams OMS, FIX, Market Data, Market Access, and Exchange PMsDebugged trading algorithms, strategies on cash, equities and derivative marketCross functional teams using Agile, TDD, and daily SCRUM to meet sprint targets	
QVIVO Ltd.	October 2010 - August 2011
Sr. Software Engineer	Sheung Wan, Hong Kong
<ul style="list-style-type: none">Developed cross platform media player in standard C++/STL, Boost library, threadsIntegrated Facebook API, cURL, AWS Cloud, IPC and memory sharing librariesUsed Agile, TDD, Google unit testing, FFMpeg, Scaleform GFX, DirectX, OpenGL	
Concord Pacific Satellite Technologies Ltd.	November 2008 - October 2010
Sr. Software Engineer	Kowloon, Hong Kong
<ul style="list-style-type: none">Web Traffic & GPS related fleet management software controlEmbedded media player development using WinCE C++ MFC, WIN32, COM, HTTP, FTPDeveloped backend in C Linux, sockets, POSIX threads, MySQL tuning	
OPSWAT, Inc.	April 2005 - October 2008
Sr. Software Engineer	San Francisco, USA
<ul style="list-style-type: none">Part of team to develop Antivirus/Antispyware/Firewall SDKImplemented API library in OOP C++, C#, Java, PHP, HTTP/FTP/SMTP, XML, STLIntegrated computer security, encryption, hashing MD5, SHA256, digital signatures	
One Share of Stock, Inc.	August 2003 - July 2004
SEO Specialist	San Francisco, USA
<ul style="list-style-type: none">Search Engine Optimization to place within Top-10 on Google and YahooDeveloped website using ASP/VBS, HTML/CSS/JavaScript and SQLManaged Webtrends, Linux, Bash scripts, SQL Servers and Apache	
Mendocino. San Francisco Sales, Inc.	August 2002 - August 2003
Web Developer	San Francisco, USA
<ul style="list-style-type: none">Designed intranet using HTML, JS, CGI, XML/XSLT, and PhotoshopEngineered inventory management & ERP system	
Club-i - Cyber cafe	May 1998 - September 1998
Web Developer (Internship)	San Francisco, USA
<ul style="list-style-type: none">Designed intranet using HTML, JS, CGI, and PhotoshopAssisted customers on using PC, email, web browsers, printing	