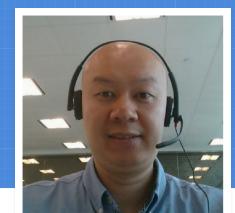
Tim Hsu Professional Software Engineer



Objectives

FIRE - Financially Independent. Retired Early. ONLY looking for hybrid/remote/WFH/part-time/freelance/contract work. Willing to accept LOW salary for EASY work or work that could be automated. Web http://yeehsu.freeshell.org zaken520@gmail.com Email Phone 852 9273 7829 Address Yau Ma Tei. Hong Kong

Professional Skills

C++ / C# .NET OOP & Design Patterns

Agile, CI/CD, TDD, SCRUM

Data Structures & Algorithms

IPC & Multi-threading

WPF, API, MVC, MVVM

Work Experience

Self Employed ◆ Freelance

January 2024 - Present

- Working on self projects to determine market sentiment, angel/VC investment flows
- Use C# .NET 9 WPF, consolidate information to determine smart/retail/institutional money flow
- Use latest C# tech stack, including minimal API, async WPF app, AWS Cloud and services
- Developed own project to make smart decison trades, risk management, and market sentiment

Senior .NET Contractor • Randstad Hong Kong Ltd - Temus Ltd. FWD Hong Kong Ltd.

May 2023 - January 2024

- Responsible for WebApi serverless backend development in C# .NET 6 for client FWD
- Implementation of all WebApi using AWS Cloud, RDS, S3, Api Gateway/Lambda, and Redis Cache
- Implementation of all related Engagement (Insurance) related activities on FWD OMNE App • Requirements gathering, full SDLC on Agile, and full support on every sprint release

Senior Software Engineer • 10kM Trading Ltd.

April 2022 - November 2022

- Lead agile team to develop high frequency-low latency Market Making services/strategies
- Lead the development of Market Data, OMS, FIX connectivity, WebUI, etc in C# .Net Core • Developed quant and algorithms for real-time automated trading/hedging for Spot/Futures
- Developed in house hedger/executor for traders in C# WPF to easily liquidate crypto assets

Senior System Analyst • Sharp Point Ltd.

January 2019 - March 2022

- Developed new derivatives trading platform in C# .NET Core, WPF, Prism MVVM
- Developed FIX4.2 connectivity with brokers written in C++11, Boost ASIO
- Wrote various micro-services in both C++/C#, C++/CLI, scripts
- Implemented web services, web sockets, web api, windows services, AWS Secret Manager

Senior .NET Consultant • Avanade

November 2017 - December 2018

- Provided .NET consultancy to various fortune 500 clients, including Accenture
- Used C# Web API 2.0, MVC, Message Queue, Asynchronous calls, MSSQL, MSUnit • Worked in Agile/SCRUM methods including CI/CD, TDD, BDD, SpecFlow, refactoring • Helped in DevOps, releases, Jenkins, JIRA, Confluence, Selenium, Microsoft Azure

Lead Analyst Programmer • Concord Pacific Satellite Technologies Ltd.

November 2015 - June 2017

- Rejoined company to help lead and revamp entire software infrastructure
- Saved the company from bankruptcy and retained clients due to failing software services • Lead using C#, MySQL, sockets, threads, WCF, Javascript AngularJS, JQuery, Bootstrap
- Introduced to team: Agile, TDD, NUnit, MantisBT, SVN, GIT, Skype, Google Maps

Contrator / Developer • Global Talent Services Ltd. - Unisys Hong Kong Ltd.

January 2015 - November 2015

- Independant contractor implemented banking Signature Web Viewer Verification system • Fullstack using VB/C# .NET, WCF, HTML5, CSS3, AngularJS, JQuery, AJAX, REST, MSSQL
- Part of full SDLC in various phases, staging, SIT, UAT, then LIVE

Software Engineer • Sungard Global Trading Ltd.

August 2011 - December 2014

- Participated in development of real-time trading platform in WIN32 C++
- Worked with various teams OMS, FIX, Market Data, Market Access, and Exchange PMs • Debugged trading algorithms, strategies on cash, equities and derivative market
- Cross functional teams using Agile, TDD, and daily SCRUM to meet sprint targets

Sr. Software Engineer • QVIVO Ltd.

October 2010 - August 2011

- Developed cross platform media player in standard C++/STL, Boost library, threads
- Integrated Facebook API, cURL, AWS Cloud, IPC and memory sharing libraries • Used Agile, TDD, Google unit testing, FFMpeg, Scaleform GFX, DirectX, OpenGL

Sr. Software Engineer • Concord Pacific Satellite Technologies Ltd.

November 2008 - October 2010

- Innovated Web Traffic & GPS software for fleet management
- Embedded media player development using WinCE C++ MFC, WIN32, COM, HTTP, FTP

• Developed backend in C Linux, sockets, POSIX threads, MySQL tunning

Sr. Software Engineer ◆ OPSWAT, Inc.

April 2005 - October 2008

- Number 2 employee, helped innovated and grew the company to 500+ employees
- Created new and profitable software in Security/Antivirus/Antispyware/Firewall SDK • Implemented API library in OOP C++, C#, Java to serve clients such as Cisco, DOD

Education

Bachelor of Computer Science • San Francisco State University 1996 - 2002

Focused on System and Software Design. Network Communications. Integrated Circuits, Engineering. Data Flow Automata. Discrete and Complex Analysis.