Yan, Zhi Yuan (Yan), CFA

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SUMMARY

- ➢ Chartered Financial Analyst
- ➢ DevOps and Agile principles, Test-Driven Development, Continuous Integration
- ➢ Web, Mobile and Server Side Application Development
- ➢ Ability to translate business requirement and all level operation needs into system requirement and design.
- ➢ Familiar with equity valuation models, trade and settlement cycle.
- ➢ A proven fast learner and eager to learn new technologies.
- ➢ Multi-lingual: Fluent in English, Cantonese and Mandarin.

TECHNOLOGY SKILLS

Programming Language

- ➢ C#, Objective-C, Swift, Typescript, GO lang, JavaScript, SQL, R

Technologies

- ➢ ReactJS, Angular 2, DotNet Core, Could Foundry, BI

Development

- ➢ Object-oriented Design, DevOps, Agile Development, Solutions Architecture, Project Management, Test-Driven Development, Cloud Foundry, Service Oriented Architecture

WORK EXPERIENCE

Algo Software Engineer   Aug 2017 – Present
Investment Technology Group, Hong Kong

- ➢ Enhance existing cash equity execution algorithm system with C# and C++.
- ➢ Develop new HTML5 application with ReacJS, typescript and DotNet Core to help client monitor and manipulate algo orders.

Software Engineer   Nov 2015 – Aug 2017
Manulife Asset Management, Hong Kong

Deliver solution for Front Office internal client in an agile manner
Enhance and support portfolio management toolkit for fund managers.

- ➢ Gather user requirement, design and develop analytical tool for fixed income credit spread and yield curve. Coordinate and mentoring off-site developer on coding.
- ➢ Design and develop credit risk management tool for General Account team.
- ➢ Build wealth management advisory toolkit to help fund retail distribution.
- ➢ Enhance existing portfolio asset report and debt exposure report to fulfill compliance and regulatory requirement.

Key Technologies: DotNetCore, Angular 2, C#, Bloomberg, Test-Driven Development, DevOps, Could Foundry

System Analyst (Permanent)   Dec 2013 - Nov 2015

Senior IT Consultant (Secondment Contract via Lab Partners Ltd)   Feb 2011 – Nov 2013
China Construction Bank (Asia), Hong Kong
Design, develop and maintain equity trading front to back office applications and risk management applications. Collect user requirement, design system solution, estimate project sizing and schedule, involve in development, testing, implementation, project coordination and writing technical documents. Provide 7x24 production support.

➢ Work with user and vendor to deliver new feature for the bank's equity trading system.

➢ Design and develop trade capture and reporting system for the bank's high net worth CIES (Capital Investor Entrant Scheme) customer with .Net and Oracle P/L SQL.

➢ Design and develop the system and workflow for the bank's Share Financing business. The system is developed with C# to monitoring the credit risk and perform daily revaluation.

➢ Develop and maintain the bank's AML (Anti Money Laundry) system with SAS AML solution, Oracle Database, ASP.Net MVC and WCF.

➢ Design, develop and maintain the bank's Fraud Monitoring System with Actimize solution, C# and MS Sql Server.

Developer Support Specialist   Dec 2008 – July 2010
Dundas Data Visualization, Toronto, Ontario Canada
Responsible for developing pre-sales demo and provide post-sales support for the users of the company's data visualization programming tool.

➢ Develop pre-sales sample projects and provide pre-sales consultation with various Microsoft .NET technologies.

➢ Work with clients to resolve technical issues with project development and deployment via phone, email and web meeting.

➢ Create add-ons, documentation and support article that work with the products.

➢ Work with the development department to debug and test the products.

Software Developer   April 2008 – Aug 2008
PureFacts Financial Solutions, Toronto, Ontario Canada
Responsible for developing individual/team projects to provide solutions for financial firms.

➢ Worked on web-based Customer Relationship Management (CRM) application using ASP.NET and C#.
➢ Developed a broker rewarding system for the client using VB6, MS SQL Server and MS Office.

Junior Software Developer   Dec 2006 – April 2008
JMO Business Systems, Toronto, Ontario Canada
Responsible for developing Warehouse Management System (WMS) that runs on Windows desktop environment and Windows CE barcode scanner using Microsoft .NET technologies.

➢ Designed and developed desktop application using Visual Studio 2003, WinForm and VB.NET.

➢ Designed and developed data access layer using Stored Procedure, ADO.NET and MS SQL Server 2005.

➢Responsible for pre-release test and fixing bugs reported by clients.

EDUCATION
University of Waterloo, Waterloo, Ontario
Bachelor of Mathematics, Honours Computer Science
Combinatorics and Optimization Minor
June 2006   GPA: 74/100.
Key Subjects: Computational Finance, Real-time System, Database, Computer Graphics, Distributed System, Cryptography.