Yan, Zhi Yuan (Yan), *CFA*

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SUMMARY

➢ Tech Lead of DevOps and Agile development team.

➢ Full stack developer with solid web, mobile and server side application development skill

➢ Ability to translate business requirement and all level operation needs into system requirement and design.

➢ Extensive knowledge in both Buy Side and Sell Side in Financial Service sector.

➢ Multi-lingual: Fluent in English, Cantonese and Mandarin.

TECHNOLOGY SKILLS

Programming Language

➢ C#, Java 8, Objective-C, Swift, Typescript, JavaScript

Technologies Stack

➢ ReactJS, Angular, DotNet Core, Spring Boot, Kubernetes, Spark, Kafka

Development Platform

Windows, Linux, iOS

WORK EXPERIENCE

Development Manager, VP   Aug 2019 – Present

CMB International

Tech Lead of DevOps Development Team

➢ Manage the development life cycle of the team and coaching the junior developers in the team.

➢ Design and develop the company's next generation OMS with event-driven architecture. Using Java SpringBoot, Kafka, PostgreSql and FIX protocol.

➢ Migrate the legacy API to new micro-service platform on Kubernetes.

➢ Build a new data platform with HDFS, Hive, Spark and Apache Kylin.

Software Engineer, AVP   Aug 2017 – Aug 2019

Virtu ITG, Hong Kong

Develop and support cash equity execution algo and build HTML5 supporting tools

➢ Implement customized algorithm trading strategy for clients on our low latency trading system with C# and C++.

➢ Develop new HTML5 application with ReacJS, typescript and DotNet Core to help client monitor and manipulate algo orders.

➢ Develop new web-based tool to manage Algo trading system's strategy configuration.

➢ Provide level 2 support on our Algo trading application.

Software Engineer (System Manager)   Nov 2016 – Aug 2017
Software Engineer (Senior System Analyst)   Nov 2015 – Aug 2016

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.

➢ Develop and support Portfolio Management Tool to help Fund Manager rebalance, hedge and monitor their portfolios.

➢ 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 application for General Account team.

➢ Build wealth management advisory toolkit to help fund retail distribution.

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. 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.

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

Software Developer   April 2008 – Aug 2008
PureFacts Financial Solutions, Toronto, Ontario Canada

➢ Developed web-based Customer Relationship Management (CRM) application using ASP.NET and C#.

Junior Software Developer   Dec 2006 – April 2008
JMO Business Systems, Toronto, Ontario Canada

➢ Designed and developed desktop inventory management system using Visual Studio 2003, WinForm and MS SQL Server.

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