Contact

97506247 (Mobile)

www.linkedin.com/in/joo-lee-62b4071b (LinkedIn)

Top Skills

Java

C#

.NET

Languages

Korean

English

Certifications

Git Real

ITIL Foundation Certificate in IT Service Management

Flying Through Python

Machine Learning

Sun Certified Java Programmer 6

Joo Lee

CTO & Partner at Endowus

Singapore

Experience

Endowus

CTO & Partner

June 2018 - Present (2 years 6 months)

Singapore

In this exciting role as the CTO at Endowus, I am tasked to lead the team of engineers to build the goals-based investing digital wealth advisory platform, that harnesses the technology to increase the advisory value and enhance the advisor-client collaboration.

StashAway

Trading Platform Team Lead

January 2017 - June 2018 (1 year 6 months)

Central Singapore

As the very first backend engineer of the company, I was responsible for leading the backend team to build the distributed Trading Platform to enable fully automated full front to back digital wealth management business.

Trading Platform Technology Stacks includes:
Scala / Python / Kafka / Cassandra on AWS stack, following DDD / Event Sourcing / CQRS practices.

The role also includes quantitative development project works to that works in conjunction with CIO, including Portfolio Optimization, Portfolio Construction, Order Generation, Rebalancing, Backtest Engine, Data Visualization and Investment Framework automation using Supervised Learning using Scala / Python 3.x and Numpy / Scipy / Jupyter and SQL.

Goldman Sachs

Front Office Software Engineer

February 2016 - January 2017 (1 year)

Singapore

Front Office Portfolio Management and Trading Technology team.

Worked as a primary developer of the project to develop the live fund exposure management platform that automatically generates the rebalancing and FX hedging orders for the 120+ funds that are managed by the MPFG desk traders (Multiple Product Funds Group).

Single-handedly developed the Actor model based knowledge based, information retrieval chatbot on the Symphony platform using, Akka FSM, Stanford NLP library, Apache Spark MLib.

Java / Scala / Apache Spark / a bit of python

Alphadyne Asset Management

Front Office Software Engineer

February 2015 - February 2016 (1 year 1 month)

Singapore

Worked in the project that migrates the firm's legacy reporting system developed in R into the distributed real-time live risk platform in C#.

Developed the order placement and settlement pipeline between the firm's proprietary OMS system and the external trading platforms including BARX and MorganDirect using FIX protocol in C#.

Main languages used were C#, SQL and bit of Python.

UBS Investment Bank

4 years 8 months

Front Office Quantitative Developer

August 2013 - January 2015 (1 year 6 months)

Singapore

Desk aligned strats & developer, working with STIR / Long ends / FX basis traders.

Worked as the main developer in the AUD / NZD yield curve migration project. Migrated the spreadsheet based curve fitting program into the firm's strategic unified yield curve generation engine built in Java core. Analyzed the existing curve building process and the market instruments used by different desks, modelled and automated them into the new platform.

Developed the STIR bridge as a primary developer while acting as the project's technical lead.

STIR Bridge the server side Java application that is used by all G10 currency desks to feed the real-time yield curves to the systems that were not yet compatible with the firm's latest yield curve platform, including the FX derivative algo trading system.

Developed tactical applications with Excel VBA / Java / C# to assist traders and quants. Heavy focus on yield curve building engine.

Main technologies used were Java 7, C#, Excel VBA in Linux environments.

Front Office Quantitative Developer

June 2010 - September 2013 (3 years 4 months)

Sydney, Australia

Worked as a trading desk aligned developer, working with short term and long term interest rates desks. One of the main projects was to develop the strategic live risk platform for fixed income traders throughout the APAC region.

Developed the bond index platform that was subscribed by 100+ financial institutions across the world and also the bond index swap risk management tool for BIS traders.

Developed bond index ETF market making platform.

Main technologies used were Java 7, Excel VBA, C# and Perl scripts.

PAC-INVEST

Analyst Programmer

March 2010 - June 2010 (4 months)

Built backend platform for Australia's first short sell reporting system using C#, .NET 3.5, Winform, ASP.NET, Web Services, IRESS IOS, MS SQL 2008

Macquarie Bank

Junior Software Engineer

June 2009 - March 2010 (10 months)

Worked at FICC's Quantitative Risk Management Team as a quant developer

University of Technology Sydney

Teaching Assistant

July 2008 - July 2009 (1 year 1 month)

Worked for Department of Information Technlogy and Engineering as an academic tutor.

JP Morgan Chase
Analyst Programmer - Technology Internship
December 2008 - February 2009 (3 months)

Conducted internship at JP Morgan's Application Developer's team for 12 weeks.

EnceSoft
Junior Developer - Industry Sponsored Research Scholarship
February 2008 - October 2008 (9 months)
Sydney, Australia

As a part of industry sponsored project between UTS and EcneSoft.

South Pacific Pictures
Junior Systems Admin - Full Time Casual
March 2006 - February 2007 (1 year)
Auckland

Assisting in managing the company's IT infrastructure and network which consists of more than 150+ desktops and 30 laptops.

Education

Georgia Institute of Technology
Master’s Degree (Online), Artificial Intelligence · (2016 - 2021)

University of Technology, Sydney
Bachelor of Science in IT, Information Technology · (2007 - 2010)

The University of Auckland
Bachelor of IT, Information Technology · (2006 - 2007)

Activity

10/29/2020, Laura Taylor added candidate to Senior Tech People From Startup - SG

11/03/2020, Message sent by Shannon Dawson

11/04/2020, Message sent by Sameer Kulkarni

11/08/2020, Viewed by Sameer Kulkarni