

# Joe Intrakamhang

WEBSITE: [WWW.JOEINT.COM](http://WWW.JOEINT.COM)

## PROFESSIONAL EXPERIENCE

---

### Neuberger Berman

2011 - Present

#### *Solutions Architect, VP*

Architect for the investor studio platform. Responsible for identifying alpha trading decisions, signal generation, code tuning and code modernization.

- Created a signal generation system based on the portfolio manager rules.
- Implemented a micro service architecture for the RESTful webservices
- Modernize and introduced a federated single sign on process. This enabled a unified authentication and authorization between NB's internal applications and the cloud based applications such as Salesforce and Workday.
- Designed a trend analysis application to monitor daily analytic changes.

Architect for the enterprise data service organization. The division is a brand new organization unit within the firm. The EDS group is responsible to be the single version of truth for data. Responsible for setting new technology standards, code testing standards, and mentoring other groups to the new standards.

- Designed the overall architecture for the new enterprise data service division. This involved the web front-end architecture, Java middleware service bus architecture, and database schema architecture.
- Initiated and created a new technology talk program at NB. The program purpose was to introduce modern technologies to the IT community. Led and presented several talks on NoSQL, MongoDB, Git, and AngularJS. Also, organized an external AngularJS meetup for any developer in the Chicagoland area.
- Set the firm standards for approved technology stacks in the Microsoft, Java, and Web stacks. Also, set the RESTful webservices API design standards.
- Designed a new information portal homepage by utilizing the latest bleeding edge technologies (at the current time) in HTML and JavaScript. Angular, Twitter Bootstrap, Testacular, Yeoman, Grunt, and Bower
- Designed a scalable Java enterprise service bus architecture to master data from various external sources. Salesforce.com, SalesVision, SAP and internal systems.
- Implemented several NoSQL applications. Created an enterprise application for viewing application logs. The logs were written to a MongoDB database and the viewer was a web-based application. Created a dashboard to view the current states of running jobs and provide heuristic measures.
- Created a FIX based reporting application to report the TRACE trades to FINRA.
- Created a TBA web-based processing application. This was to facilitate the communication between the 3<sup>rd</sup> party TBA processor and the accounting system.
- Created a reconciliation application that would reconcile between the trading systems to the accounting systems.

*Technology: Java, Angular, Testacular (Karma), JUnit, Spring, Maven, IBM MQ, Jenkins, Mule, Tomcat, JBoss, HTML5, JSON, MongoDB, SQL Server*

### Neuberger Berman

2008 - 2011

#### *Technical Lead, AVP*

Technical lead for the fixed income organization. Responsible for leading new application development initiatives and providing technical guidance for other projects to ensure effective implementation design plans.

- Built the first Neuberger Berman commercial mortgage forecasting application that is sold to multiple financial companies and is also being used internally. The application forecasts the mortgage portfolio exposure based on future macroeconomic conditions, various statistically models and modification strategies. The application was built using the latest Microsoft technologies (C# .NET 4.0, WPF 4.0, and Entity Framework 4.0) and agile methodologies.
- Responsible for introducing newer technologies. Recent accomplishments are setting up a Maven Nexus artifact repository, continuous integration server, business rules engine, LDAP server, utilization of Spring framework and TDD development.
- In charged of integrating the front office trading systems with the back office operation systems, which resulted in higher STP efficiency. The integration is fully automated through our propriety middleware routing system.
- Lead the development efforts for the Lehman bankruptcy software migration. This involved migrating, porting, and upgrading the fixed income applications from the Lehman infrastructure to the Neuberger Berman's data center infrastructure. The transition was successful and finished ahead of schedule saving the company \$15 million in infrastructure costs.
- Managed a development team of 2 full time employee and 2 consultants.

*Technology: C#, WPF, Entity Framework, Active Directory, Java, Spring, Maven, Drools, IBM MQ, LDAP, Jenkins/Hudson, Mule, JBoss, JSP, XML, SQL Server, Informatica, and Crystal Reports*

## **Lehman Brothers**

**2006 - 2008**

### ***Sr. Developer***

Senior developer for the fixed income order management system, reporting solutions and the supporting applications.

- Lead developer for an internal fixed income trading system. The desktop application is responsible for portfolio management decisions, bond trading, derivatives trading, mortgage trading, FIX messaging, confirmations, and reconciliations.
- Increased the capabilities of the order management system by introducing short, forward repo, and future trading concepts.
- Led training classes to orient new traders on the order management system.
- Reduced the post trade processing time by 3 hours per day through the automation of the back office operations.
- Mentored and trained new employees to acclimate them to the business and the technologies.
- Maintained vendor relationship for TradeWeb, MarketAxess, NYFix, and Business Objects.

*Technology: Java, Appia, Fix, Swing, JMS, Tibco EMS, Weblogic, JSP, XML, OLAP, Sybase, SQL Server, Informatica, DTS, BusinessWorks, LDAP, and Crystal Reports*

## **Northern Trust**

**2005 – 2006**

### ***Senior Systems Analyst***

Enhanced and maintained a pension payment on-line web system. The pension system was designed around a third party vendor, Lawson, but was completely revamped for Northern Trust specifics.

- Developed and enhanced the pension system to handle international transactions from a USA based transaction system utilizing the J2EE architecture.
- Developed the pdf tax reprint system for generating tax forms in real time.
- Increased the system response time by fixing memory leaks and bottlenecks.

- Mentored and trained junior java developers on understanding the Java language, Java Servlet technology and Java EJB's.
- Lead developer on designing and developing an automated process for streamlining the payment batch stream by coding a UNIX script and a batch program saving the company \$40,000 a year.

*Technology: Java, EJB, JSP, XML, XSLT, Cobol, Oracle, DB2, Sybase, Weblogic, and Lawson*

## **Caremark**

**2002– 2005**

### ***Programmer Analyst***

Designed, developed and implemented a new Java web based drug health benefit system. The system was a conversion from an OS2 application. The benefit system allowed real time changes to the client's health plans.

- Successfully implemented the Federal Employee Government Program project under tight deadlines through cross-team collaboration and teamwork to increase company revenues by 1.6 billion dollars.
- Developed new java applications using Caremark's Java framework system and MVC architecture of n-tiered systems.
- Utilized MQ Series to enable communication between the Java front-end to the mainframe back-end.
- Developed, implemented, and introduced DB2 stored procedures for the Java and Mainframe environments.
- Identified areas for improvement and proposed alternative solutions for long running Java batch programs thus resulting in 75 percent savings in CPU time.
- Introduced a new framework to submit mainframe jobs from Java.
- Mentored and trained new hires on technical processes and policies.

*Technology: Java, JSP, XML, XSLT, MQ, Websphere, Cobol, and DB2*

## **SKILLS**

---

<b>Languages:</b>	Java, C#, JavaScript, Groovy
<b>Scripting:</b>	Unix Shell Script, Groovy
<b>Databases:</b>	MongoDB, SQL Server, Sybase, Oracle, DB2, OLAP
<b>Web:</b>	JavaScript, Grunt, Yeoman, Bower, SASS, CSS, JQuery
<b>Middleware:</b>	Node, Mule, Tomcat, JBoss, Weblogic, Websphere
<b>Build Tools:</b>	Jenkins, Hudson, TFS, Bamboo
<b>IDE:</b>	Eclipse, STS, WebStorm, Visual Studio, WSAD
<b>SaaS:</b>	SalesForce.com, Bloomberg, Melissa Data
<b>Financial Apps:</b>	MarketAxess, Tradeweb, Horizon, Appia, Portia, Lehman Point, ThinkFolio, Lawson
<b>ETL:</b>	Informatica, Cadis, SSIS, DTS

## **EDUCATION**

---

**M.B.A. in Finance**

May 2007

*Roosevelt University, Schaumburg, Illinois*

**Bachelor of Science – Computer Science and Computational Mathematics** May 2002

*Northern Illinois University, DeKalb, Illinois (Double Major in 3 Years)*