89 FLORA DRIVE, SINGAPORE 506890	KUNAL KANOJIA	+65-94471824 KANOJIA.KUNAL@YAHOO.COM

Senior Software Engineer	Citadel Technology Solutions, Singapore	Feb 2016 - Present

- Scala developer building distributed scalable application as a specialized **startup**.
- Building an suite of E-Governance applications to be used by millions of people for a country in Asia.
- Technology stack – **Scala, Akka, Play framework, Eventuate, Cassandra, Reactjs.**
- Developing a microservices architecture with **event sourcing** and **CQRS**.

Senior Associate	MSCI, Mumbai	July 2014-Jan 2016

MSCI Barra analytics
- Built a completely new scala application which will calculate and deliver risk data on request over a **REST** api. Using **Spray.io** and **breeze for linear algebra.**
- Major work is done using –**Scala, Java, Gradle , Angular JS, Shell scripting and Oracle.**
- Implemented calculations in **SciDB** and evaluated performance against matlab
- Also developed and maintained API's for reading and writing huge amount of risk data to oracle database. These API's are used by matlab and java clients.
- Built and maintained ecosystem of multiple **JVM** based applications which helped deliver MSCI Barra risk models daily to the clients.

Associate, Application Dev	JP Morgan, Mumbai	Oct 2012-July 2014

Settlements and Clearing Technology (CIB)
- Worked on building and enhancing three different J2ee applications using **core java, multithreading, spring, struts, JMS, Sybase, and Oracle 10g.**
- The applications deal with settlements tracking, reporting of trade volumes & breaks and UI for positions and settlements system.
- My role includes understanding requirements from the user, implementing the complete requirement, releasing it to production and L3 support for the same.
- *Worked under **lean agile mode and developing systems using TDD**. Worked under Scrum and Kanban models.*

Senior Developer	Nomura Holdings (Ex Lehman Brothers)	June 2008-Sept 2012

Swaps trading Platform – Spear
- Owned complete development and support of trading systems UI which was built in **C# and .NET.**
- Also built a java module which relays messages to EOD calculation engine. Using core **java and JMS**

Prime Services – Wire Transfer application
- Built a new wire transfer application for clients with backend in Java and an external client facing UI in **Flex/Action Script.**
- Studied multiple **SWIFT** message formats and wrote a parser to read those.
- Worked on **penetration testing** for the application along with an external security testing agency for the external user interface.

Prime Services – Trade capture application
- As a team built a **completely new trade capture platform** for prime services business.
- Worked with the downstream settlement system GLOSS to understand the message formats and built a new message transfer module to transfer messages over JMS in real time
- Created a sub module to display real time trade settlement statuses to clients.
- Wrote multiple procedures to fetch settlement and trade report for clients.
- Individually implemented a static data capture and caching mechanism from a data repository.
- Built a client facing UI for external clients to be able to enter individual trades and upload multiple trades.

Student, Intern	VJTI, Computers Department	Apr 2007-Mar 2008

Web based Examination Module
- Implemented a GRE type test wherein an examiner could create MCQ tests which can be computer adaptive.
- It was a J2EE application built using Jsp, Servlets and MySql.

LANGUAGES & TECHNOLOGIES

Languages: Java, Scala, Javascript, SQL, Matlab, C#, HTML 5, Shell Scripting
Frameworks/Libs: Akka, Play, Spray.io, Protocol Buffers, Thrift, JMS, Spring, Struts, SWIFT, JUnit, JQuery, EXTJs 4, Angular JS 1.x, Android
Database: Oracle, Sybase, Cassandra, MySql, Postgres, MongoDb
Tools: Jenkins (CI), Fitnesse, Selenium, Sonar, Pivotal tracker, Vagrant, Docker
Cloud: AWS, Heroku
Methodologies: Scrum, XP, Test Driven Development, BDD

EDUCATION

- B.TECH in **Information Technology** (2004-2008) from **V.J.T.I., Mumbai** with **7.1 CPI.**
- H.S.C from Mumbai board with **88.17%** aggregate.
- S.S.C from Mumbai board with **81.2%** aggregate.