

# Ganeshkarthik Ramadoss

## SOFTWARE DEVELOPER

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## Summary

- Software Developer with 8+ years experience in designing and building applications in Java and Scala.
- Strong Advocate of Functional Programming (FP) Principles with experience in FP libraries : Scala Cats, Java Vavr etc.

## Experience

### Vice President | Reference Data Technology | Scala Developer

Bank of America | Singapore

TECH LEAD - CLIENT REFERENCE DATA

Feb 2020 - Current

- Built Scala Application to source counterparty ISDA Regulatory Protocol Adherence Information from Markit into Enterprise Client Reference Data Application
- Built application to subscribe to Client Reference Data changes in Enterprise system and relay those changes to Legacy Systems in real time manner.

### Assistant Vice President | Reference Data Technology | Java/Scala Developer

Bank of America | Singapore

SENIOR DEVELOPER - CLIENT REFERENCE DATA

Feb 2016 - Jan 2020

- Built Scala application to generate Broker-to-Client Assigned Number (BCAN) for China Connect Investment Banking Clients and publish list to Hong Kong Stock Exchange.
- Enhanced Enterprise Client Reference Data Graph Database and built Business Process Workflows using Internal BPM Framework and Scala to capture data overrides for regulatory attributes.
- Enhanced existing Business Process Workflows to automate resolution of most frequent user queries.

### Officer | Reference Data Technology | Java, PLSQL Developer

Bank of America | Singapore

TECHNOLOGY ANALYST PROGRAM - PRODUCT REFERENCE DATA

July 2013 - Jan. 2016

- Developed Japanese Equities Feeds for Enterprise Product Reference Data Application to cut down data quality issues for Front Office Applications.
- Built utility tool using Java and Spring to compute data ownership distribution (etymology) for Enterprise Product Reference Data Equities attributes.
- Built Data Quality Reconciliation Reports using Java and PLSQL to address data gaps in APAC Markets.

## Skills

**Languages** Scala, Java : Core Java, Concurrency & Multithreading, RxJava, JavaScript, SQL, SPARQL, SHELL scripting

**Libraries & Frameworks** Spring, Spring Boot, Scala Cats, VAVR, RDF, Akka, ElasticSearch, Splunk, Apache Spark

**Testing** ScalaTest, Mockito, Mockito Sugar, JUnit, Selenium

**Database** Oracle, Sybase

**Version Control/Build Tools** GIT, SBT, Maven, BitBucket, Jenkins, Atlassian tools - Jira, Confluence

## Education

### National University of Singapore

Singapore

BACHELOR OF ENGINEERING - COMPUTER ENGINEERING

Aug 2009 - Jul 2013

- **Dean's List** AY 2012/2013
- **Recipient of SIA-NOL Undergraduate Scholarship** - Covers 100% of tuition fees awarded to exceptional students from India