# Ganeshkarthik Ramadoss

## Software Developer

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## Summary

- Software developer with 8+ years of experience in designing and building applications in Java and Scala.
- Strong advocate of functional programming (FP) principles with expertise in FP libraries such as Scala Cats.

## Experience

### Vice President | Reference Data Technology | Scala Developer
*Bank of America | Singapore*

LEAD DEVELOPER - CLIENT REFERENCE DATA     *Feb 2020 - Current*

- Built application to source counterparty ISDA regulatory protocol adherence information from Markit into enterprise client reference data application.
- Developed application to subscribe and relay time-sensitive client reference data events from enterprise system to legacy systems.
- Mentored junior developers and interns in software development best practices and domain knowledge.

### Assistant Vice President | Reference Data Technology | Scala Developer
*Bank of America | Singapore*

SENIOR DEVELOPER - CLIENT REFERENCE DATA     *Feb 2016 - Jan 2020*

- Built Scala application to generate and publish broker-to-client assigned numbers (BCAN) for China connect investment banking clients to Hong Kong stock exchange.
- Enhanced enterprise client reference data graph database and built business process workflows, using internal BPM framework and Scala, to maintain client regulatory attributes.
- Improved existing business process workflows to automate resolution of most common user queries.

### Officer | Reference Data Technology | Java, PLSQL Developer
*Bank of America | Singapore*

TECHNOLOGY ANALYST - PRODUCT REFERENCE DATA     *July 2013 - Jan. 2016*

- Onboarded Japanese equities feeds into enterprise product reference data application to minimize data quality issues for front office applications.
- Developed 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 for APAC markets.

## Skills

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| **Languages** | Scala, Java: Core Java, Concurrency & Multithreading, JavaScript, SQL, SPARQL, Shell scripting |
| **Libraries & Frameworks** | Spring, Spring Boot, Scala Cats, RxJava, 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