

# Yuvaraj Ravichandran

LEAD SOFTWARE DEVELOPMENT ENGINEER · SOLUTION ARCHITECT

Chennai, Tamilnadu, India

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## Summary

Lead Software Engineer at Barclays. 11+ years of software engineering experience with specialties in backend systems, distributed & realtime streaming systems and software design & architecture. Have gained a great experience of building a product from scratch at an investment banking company which saved millions of pounds in terms of licensing cost against a vendor product. Passionate about solving business problems with Pragmatic solutions based on first principles, and learning new technologies & tools.

## Technical Skills

<b>Programming Languages</b>	Java, JavaScript
<b>Frameworks &amp; Tools</b>	MS SQL Server, Oracle, Spring Framework, Apache Storm, Apache Kafka, Apache Cassandra, Elasticsearch Stack(ELK), Rocksdb, Bitbucket, TeamCity, IBM Urbancode Deploy, Autosys
<b>Operating Systems</b>	Linux, Windows

## Work Experience

### Barclays Global Service Centre Pvt. Ltd.

Chennai, Tamilnadu, India

AVP Feb. 2020 - Present

- Architected & Implemented in-memory reconciliation system from scratch to process high volume intersystem reconciliations
- Developed in-memory matching engine to match records with high performance comparing legacy systems
- Designed the integration of legacy reconciliation system to report the breaks for management
- Helped the teams to identify and mitigate age old tech debt items
- Helped the teams to upgrade Java from older versions and fix issues related to it
- Redesigned the applications and helped the team to mitigate flash EOL within a short span which had huge business impact

### Citicorp Services India Pvt. Ltd.

Chennai, Tamilnadu, India

APPLICATION DEVELOPER INTERMEDIATE PROGRAMMER ANALYST Oct. 2016 - Feb. 2020

- Developed real-time reconciliation data pipeline using Lambda architecture to crunch billions of records
- Redesigned matching layer to achieve 12k messages/sec with sub milli second latency
- Migrated the transformation layer from batch to streaming platform (Storm/Kafka) to provide 6X higher performance
- Built & deployed the real-time break management system using Elastic stack to reduce report timing from minutes to seconds
- Designed & Implemented the initial version of CI/CD pipeline using TeamCity and Urbancode Deploy

### Infrasoft Technologies Ltd. (Client - BNP Paribas Securities Ltd.)

Chennai, Tamilnadu, India

SENIOR ASSOCIATE CONSULTANT Sep. 2015 - Oct. 2016

- Implemented multiple new features to collect and process SWIFT messages from multiple sources every day
- Helped the team to identify and fix critical bugs in Corporate action straight through processes

### BNY Mellon Technology Pvt. Ltd. (Inautix)

Chennai, Tamilnadu, India

SENIOR APPLICATION DEVELOPER Aug. 2011 - Sep. 2015

- Developed template configuration management system to ease the initial account setup process
- Lead the integration of Advisor model management system with New account opening system using RESTful webservice
- Fixed some of the performance bottlenecks with the help of Dynatrace reports

## Education

### Sona College of Technology

Salem, Tamilnadu, India

BACHELOR OF ENGINEERING IN ELECTRICAL AND ELECTRONICS (CGPA: 8.77/10) 2007 - 2011