

# Yuvaraj Ravichandran

LEAD SOFTWARE ENGINEER

Chennai, Tamilnadu, India

✉ rkyuvraj@gmail.com

## Summary

Current Lead Software Engineer at Barclays. Overall 10+ years' of experience in building backend systems, real-time streaming applications. Passionate about solving business problems with Pragmatic solutions, learning new technologies and tools.

## Technical Skills

**Programming Languages:** Java · JavaScript · Python

**Tools:** MS SQL Server · Spring · Apache Storm · Apache Kafka · Apache Cassandra · ELK · Rocksdb

**CI/CD:** Bitbucket · TeamCity · IBM Urbancode Deploy

## Work Experience

### Barclays Global Service Centre Pvt. Ltd.

Chennai, Tamilnadu, India

AVP (LEAD SOFTWARE ENGINEER)

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 (SENIOR SOFTWARE ENGINEER)

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 webservices
- Fixed some of the performance bottlenecks with the help of Dynatrace reports

## Education

### Sona College of Technology

Salem, Tamilnadu, India

B.E IN ELECTRICAL & ELECTRONICS ENGINEERING

2007 - 2011