

SANDEEP RAVEENDRAN THANDASSERY

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Hands-on Software Engineer | Clean Coder | Creative Problem Solver | Leader | Driven

Key Qualifications

- Eight years of experience working with Java enterprise and Big data technologies, excellent understanding of B2B payments platform and architecture. Dependable, customer focused, excellent interpersonal skills and graduate degree in Computer Science.
- Java (Advanced), Scala (Advanced), Apache Spark and HDFS (Advanced), Clean Coding (Advanced), REST Webservices (Advanced), Spring Boot Framework (Advanced), SQL (Advanced), Hibernate (Intermediate), Ab Initio (Intermediate), HTML5 and Angular (Intermediate). Test-driven development (TDD), Secure Software Development Cycle (SSDLC). IBM DB2, MySQL, Tomcat, Eclipse, Git, Maven, Jenkins, New Relic APM.

Professional Experience

Visa Inc., Staff Software Engineer, October 2019 – Present | Senior Software Engineer, June 2016 – October 2019

Design, develop and manage Batch services and UI components used in B2B payments platform. Upgrade legacy applications using open source technologies. Research technology feasibility for replacing obsolete applications. Write TDD and SSDLC compliant code. Streamline application development processes.

- Successfully migrated legacy Ab Initio (a proprietary platform) ETL workloads handling 70% of B2B payments volume to Apache Spark within a period of nine months.
- Achieved up to 98% performance improvement in payment reconciliation processes by making use of Apache Spark's parallel data loading, caching, and multi-thread processing.
- Introduced TDD approaches and accomplished 20% test coverage in legacy projects (had zero coverage) within a time span of two months. Successfully lead a geographically diverse team.
- Successfully migrated client facing legacy Email Builder component using TinyMCE editor and reduced load times up to 70% through caching and template simplification and size reduction.
- Automated build and deploy process for Batch projects, saving 90% of manual effort and thus helping team focus on task at hand.
- Accomplished 30% performance improvement by tuning DB2 SQL queries and adding new indexes to relations, used in Notification services increasing customer satisfaction.
- Achieved 100% Static Application Security Test (SAST) compliance in B2B Batch projects by fixing multi-level code vulnerabilities before schedule, thereby increasing application security and customer confidence.

Tata Consultancy Services Ltd. (TCS), Systems Engineer, March 2011 – July 2014

Design, development and documentation of General Electric's (GE) global online Document Management System "Libraries".

- Designed and developed REST-based content sharing APIs for GE's internal social collaboration platform "Colab", used by its 300K employees.
- Accomplished 20% performance improvement by tuning heavily used Oracle SQL procedures, used for fetching folder contents.
- Mentored junior members of the Development team, providing technical skills training on Java enterprise technologies.

Education and Certifications

- **Master of Science, Computer Science**, University of Texas at Arlington, TX – May 2016.
- **Oracle Certified Associate, Java SE 8 Programmer.**