

# Niranjan Reddy M

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## Summary

Accomplished Software Engineer specializing in developing innovative backend solutions for finance and marketing industries. Expert in designing scalable microservices, RESTful APIs, and data pipelines using Java (Spring Boot, Spring MVC) and Apache Kafka. Key projects include leading high-capacity data integration systems at Fifth Third Bank, enhancing financial transaction efficiency, and architecting a user-oriented, data-driven campaign platform at Tech Mahindra, which significantly increased client subscriptions. Dedicated to leveraging technical expertise to enhance system performance, drive resource efficiency, and support cross-functional teamwork for strategic growth.

## Technical Skills

- **Languages:** Java (8/11/17), J2EE, SQL, PL/SQL, Python
- **Frameworks & Libraries:** Spring Ecosystem (Boot, MVC, Data, Cloud, Batch), Hibernate, JPA, REST/SOAP APIs, Servlets/JSP, JDBC
- **Frontend/UI:** AngularJS, React JS, HTML5/CSS3, JavaScript, jQuery, Node.js
- **Web/App Servers:** Apache Tomcat, JBoss, IBM WebSphere, WebLogic
- **Databases:** Oracle, MySQL, MongoDB, DynamoDB
- **Tools & DevOps:** AWS (EC2, S3, Lambda, RDS), Azure, Docker, Kubernetes, Jenkins, Maven/Gradle, Git, Apache Kafka, ActiveMQ, JUnit
- **Testing:** JUnit, Mockito, Selenium, SoapUI

## Professional Experience

### Fifth Third Bank | *Software Engineer - Backend*

**Aug 2023 - Present**

- Led the end-to-end development of an integration pipeline using Java Spring Boot and Apache Kafka, orchestrating the flow of large JSON requests (up to 20 MB) across 8+ microservices.
- Designed and implemented data validation and transformation logic to handle three major request types (Data Onboarding, Amendment, and Modification), increasing processing accuracy by 30% ensuring accurate routing and efficient processing.
- Designed scalable, message-driven architecture with Kafka topic-based subscriptions, achieving 99.99% uptime in high-volume transaction flows.
- Developed RESTful APIs for internal communication and leveraged SOAP with XML payloads for legacy system integration, enabling seamless data exchange with the LoanIQ platform.
- Employed Oracle as the primary relational database, creating optimized queries and schema designs to manage up to 5,000 parameters per request while maintaining data integrity and consistency.
- Partnered with core integration team to implement 2-way data sync with LoanIQ, cutting update turnaround time from 10 minutes to under 3 minutes.
- Implemented comprehensive unit, integration, and performance tests achieving 80% test coverage, using modern frameworks (e.g., JUnit, Mockito) to detect issues early, reduce production defects, and guarantee system stability.
- Integrated GitHub Copilot into the test development workflow to accelerate unit test creation, gradually increasing test coverage to 90%.
- Adopted Agile ceremonies and Jira-based sprint planning in 2-week cycles, consistently delivering 100% of sprint deliverables with high stakeholder satisfaction.
- Produced detailed technical documentation and release notes, aligning deliverables with Fifth Third Bank's compliance requirements and strategic objectives.
- Increased system reliability by 45% through proactive bottleneck resolution and automation of message retries and failure handling mechanisms.

### Tech Mahindra | *Software Engineer*

**Jul 2018 - Jul 2021**

- Involved in the full Software Development Life Cycle (SDLC)-requirements gathering, architectural design, coding, testing, and deployment-while conceptualizing and delivering a PaaS solution to unite sponsors and influencers for targeted, data-driven marketing campaigns.
- Identified and closed a key market gap by architecting a unified platform combining campaign analytics, influencer data, and onboarding, boosting platform adoption by 60% within the first 6 months.
- Developed RESTful microservices with Spring MVC and Spring Boot, incorporating IoC and AOP principles to ensure loose coupling, modular design, and straightforward maintenance of key service components.
- Developed AWS Lambda-based data pipeline with AWS CloudWatch triggers, pulling influencer and campaign performance metrics (e.g., CPC, CTR, views, likes, and comments) every 3 hours for real-time insights.
- Designed MongoDB schemas to support high-speed aggregation of influencer engagement data, enabling sponsors and brands to access comprehensive analytics, and, improving dashboard responsiveness by 50% and supporting 99.9% uptime.
- Built a dynamic ReactJS dashboard with real-time data visualizations, increasing user session time by 45% and driving better sponsor decision-making.
- Streamlined onboarding of 1,100+ campaigns in Year 1, added 30+ new B2B clients monthly, and generated \$6,000/month recurring revenue by showcasing product value.
- Established agile feedback loop via testing and user analytics, accelerating feature iteration cycles by 35% and resolving 90% of user-reported issues within 2 sprints.
- Ensured platform-wide security and reliability through effective monitoring, automated error handling, and optimized data flows, reducing operational overhead and enhancing customer satisfaction.

## Education

**San Jose State University** | *Master's, Software Engineering* (GPA: 3.7)

**Aug 2021 - May 2023**