

MUGESH GUNASEKARAN

Associate Software Engineer | Chennai- IN | +91 9360245551

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Portfolio: <https://mugesh056.github.io/mugesh-portfolio-site/>

PROFILE SUMMARY

Java Developer with 3.5 years of experience in the Banking and FinTech domain, specializing in payment processing systems and financial messaging standards. Strong expertise in Java, Spring Boot, REST APIs, MongoDB, and Kafka. Hands-on experience with ISO 20022, SWIFT, RTGS, and Fedwire payment systems, supporting high-value and real-time transaction processing. Proven ability to build secure, scalable backend systems and collaborate effectively in Agile environments. and delivering reliable real-time payment solutions.

TECHNICAL SKILLS

- ❖ Programming Languages: Java
- ❖ Front-end: React.js (Learning)
- ❖ Scripting / Markup Languages: XML
- ❖ Frameworks & Architecture: Rest API, Spring Boot , Apache Camel, Microservices Architecture
- ❖ Message Brokers: Apache Kafka (Basic working Knowledge)
- ❖ Databases: MongoDB
- ❖ Tools & DevOps: GitLab, Jenkins, Maven, API, CI/CD Tools, DevOps Practices, JIRA, VS Code, IntelliJ

PROFESSIONAL EXPERIENCE

Associate Software Engineer — Volante Technologies, Chennai

Aug 2023 – Present

- ❖ Working on **Central Bank payment modernization projects** involving **RTGS ,Fedwire, SWIFT, and ISO 20022**, leveraging **strong expertise in Java Full Stack and Spring Boot to build** high-performance payment solutions.
- ❖ Implementing **message validation, transformation, enrichment, routing, and exception handling** for high-value transactions
- ❖ Performing **production and QA issue analysis**, root cause identification, and fixes
- ❖ **Worked closely with Business Analysts** to analyze and translate functional and regulatory requirements into technical specifications for payment features, enhancements, and critical defect fixes, ensuring alignment with payment business workflows before executing design, development, and implementation
- ❖ Developed and enhanced complex payment-processing components using **Java, Spring Boot, Restful API s and Volante Designer**—including message transformation flows, enrichment rules, validation engines, routing logic, and exception-handling modules for high-value, real-time transactions.
- ❖ Designed, built, and **deployed secure, scalable, and modular Spring Boot for end-to- end payment** processing, real-time API integration, transaction orchestration, and performance optimization.
- ❖ Actively contributed to the **Central Banks ISO 20022 migration (July 14 milestone)**, supporting message modernization and interoperability across global financial networks.
- ❖ Worked extensively with **SWIFT MT/MX and ISO 20022 message types** , ensuring seamless processing, validation, and compliance with international payment standards.
- ❖ Gained strong domain expertise in cross-border and domestic payments, covering SWIFT , Fedwire Funds Service, and ISO 20022 PAIN/PACS message structures.

- ❖ Collaborated closely with Business , QA, and Support teams to refine payment rules, validate message flows, design test scenarios, and support release cycles for SWIFT and Fedwire implementations.
- ❖ Designed and implemented optimized MongoDB data models for payment initiation, transaction audit, routing rules, and reference data, improving system performance for high-volume, low-latency payment environments
- ❖ Managed application deployments and environment configurations across Dev, QA, and Prod using CI/CD tools and version-controlled workflows

Software Engineer Trainee: Volante Technologies, Chennai

Jul 2022 – Jul 2023

- ❖ Resolved critical bugs in core products and implemented customized features using Java, Server-Side Development, Kafka, and MongoDB.
- ❖ Gained hands-on experience in Java and core payment development using VolPay Designer, contributing to product stability and enhancements.
- ❖ Acquired domain knowledge in financial payments, including ISO 20022 (PACS, PAIN) message structures, supporting validation of complex payment flows and understanding end-to-end payment workflows.
- ❖ Worked in Agile and Kanban environments, participating in sprint planning, daily stand-ups, and iterative delivery, while developing strong skills in troubleshooting, business logic, and implementation of payment solutions.

CERTIFICATIONS

- ❖ Spring Framework 5: Beginner to Guru – Udem Certification ID: UC-af1acf3d-cba1-4d99-9ac5-
 - ❖ MongoDB – The Complete Developer's Guide 2024 – Udemy Certification ID: UC-af1acf3d-cba1-4d99-9ac5-b14f5592926a
 - ❖ Fundamentals of Liquibase & CI/CD – Liquibase University
 - ❖ AWS Beginners – Scaler
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PERSONAL ATTRIBUTES

- ❖ Proactive and Ownership-Driven
 - ❖ Excellent teamwork and collaboration in Agile environments.
 - ❖ Quick learner and adaptable to new technologies
 - ❖ Maintain strong awareness of current and upcoming trends in the payments domain and their technologies
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ACADEMIC EXCELLENCE

Bachelor of Engineering (B.E.) – Computer Science and Engineering
KSR College of Engineering, Tamil Nadu

2019 – 2023 / CGPA: 8.1

