

DEEP SHIVAM GAUTAM

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- Software development professional since 2017 with a Master's Degree in Computer Science & a strong foundation in Java, Spring Boot, SQL and HTML5, CSS, JavaScript technologies. Proven expertise in leading the design, debugging and development of enterprise-level microservices applications, optimizing database queries. Pursuing Gen AI, Python and iOS development with Swift UI. Skilled in Agile, TDD, CI/CD, and mentoring engineers; consistently deliver secure, production-ready code through code reviews, test automation, and system design leadership in high-trust financial environments.

PROFESSIONAL EXPERIENCE

Accenture

Software Engineering Specialist / Team Lead

(05/2024- Present)

- Project lead (contract role) for TD Bank through Accenture. Directed the unification of TD API workflows using **Java and Spring Boot**, standardizing response schemas across mobile and online platforms to enable consistent service behavior and reduce client-side logic duplication.
- Led end-to-end architecture and backend implementation of the "Celebrate Your Birthday" (CYBM) initiative using Java 17, **RESTful APIs, and CI/CD** pipelines; delivered in 2 sprints with full stakeholder alignment and Agile execution.
- Architected secure Java-based service integration with Air Canada's Aeroplan APIs, enabling real-time loyalty balance fetch via TD-issued membership IDs; enforced TDD, peer code reviews, and production readiness through automated CI/CD deployment approvals.
- Delivered critical FinTech features such as loyalty rewards integration and cross-platform API unification, enabling secure real-time data exchange and enhancing customer experience across mobile and web.

Morgan Stanley

Software Development Manager

(01/2022- 07/2023)

- Migrated a 12-project data pipeline from legacy code to **Java 8**, switching from Oracle JDK to OpenJDK (Azul Zulu), reducing memory usage by 40% through Java Streams and lazy evaluation.
- Architected high-scale FinTech web services in Java, Spring Boot, and **Spring Cloud (OAuth, Config, Actuator)**, supporting \$35.3B in annual trading revenue; built secure REST APIs with real-time monitoring and dynamic config refresh.
- Developed a scalable, low-latency trading platform using Java, Spring (**Singleton** pattern), and Azure Cloud; optimized **SQL DB** with indexes, triggers, and procedures, reducing distributed concurrency control by 30%.
- Integrated **Hibernate ORM** via Spring DAO for SQL connectivity; built lightweight MEAN stack frontend with real-time trade matching using JavaScript APIs.

Sr Associate Software Development Engineer

(07/2021- 12/2021)

- Created low-latency and high-throughput transactional services, with the integration of Java, scheduler like Autosys for code optimization with Spring Security incorporating OAuth 2.0 and OpenID Connect (**OIDC**) protocols using JSON Web Token (JWT) to bolster security.
- Improved routing system from ActiveMQ to Apache Kafka with technical documentation on GIT, Gradle, Jira, Confluence with Web Services, SOAP/REST.

Société Générale

Software Engineer

(07/2017- 08/2019)

- Implemented capital market **fintech** applications from real-time data storage like Bloomberg, Reuters driving monthly revenue of \$1 billion using Java, J2EE, Executor Service Multi-threading, XML, MySQL, JDBC.
- Experience in software development and technical leadership, specializing in Java, Spring Boot, RESTful APIs, and scalable **microservices** in cloud environments.
- Collaborated closely with cross-functional teams by providing on-call support during deployments and release cycles to ensure seamless application onboarding and post-release operations and implement a robust ETL dataflow.

EDUCATION

- **Masters in Computer Science, Concordia University (2019–2021); Focus: Java, Spring, Algorithms, Data Structures**
- **Bachelors in. Electrical & Electronics Engineering, SIT College (2013–2017)**

SKILLS & EXPERTISE

- Java J2EE | Spring Boot | JPA | Hibernate | ORM | JDBC | RDBMS | Oracle | NoSQL | MongoDB | Linux | MVC | REST API | Microservices | Design Patterns | Unit Testing | JUnit | Mockito | Agile | TDD | CI/CD | Jenkins | Git | Docker | Swagger | Postman | JSON