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