

Nafiya Sayed

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Professional Summary

Senior Java Developer with 8+ years of experience building scalable enterprise applications using Java, Spring Boot, and microservices architecture. Deep expertise in JVM internals, Hibernate/JPA, and event-driven systems with Kafka. Proven track record of optimizing database performance, designing RESTful APIs, and delivering mission-critical features with near-zero production defects. Strong foundation in OOP principles, design patterns, and test-driven development.

Technical Skills

Core Java	Java 8/11/17, JVM internals, Collections, Streams, Multithreading, Concurrency
Frameworks	Spring Boot, Spring MVC, Spring Data, Spring Security, Hibernate, JPA
Event-Driven	Apache Kafka, Event Sourcing, Message-driven architecture
Databases	PostgreSQL, MySQL, Oracle, MongoDB, Redis, Cassandra
Testing	JUnit 5, Mockito, Integration Testing, TDD, Code Coverage
API Design	RESTful APIs, OpenAPI/Swagger, JSON, XML, API versioning
Design	SOLID principles, Design Patterns (Factory, Strategy, Observer, Singleton), Clean Architecture
DevOps & Cloud	Docker, Azure (App Services, Functions, Logic Apps), CI/CD, Git
Monitoring	Dynatrace, Azure App Insights, Log aggregation

Professional Experience

Technical Lead | Cognizant, Halifax Nov 2022 – Present

American Airlines – Pilot Technology

- Led an 11-member engineering team delivering pilot-critical Java/Spring Boot applications end-to-end, ensuring on-time delivery for all major releases.
- Architected and implemented event-driven solutions using Apache Kafka for real-time data processing across distributed microservices.
- Drove design reviews applying OOP principles and design patterns (Factory, Strategy, Observer) to create scalable, maintainable codebases.
- Proposed and implemented an enhanced batch-recovery mechanism using Spring Batch and JPA, preventing ~100% potential pay claim errors monthly and improving operational accuracy by 30%.
- Reduced 24/7 production support costs by ~70% through automated monitoring, incident-management workflows, and comprehensive JUnit/Mockito test coverage.
- Mentored 4+ full-stack developers on Java best practices, clean code principles, and test-driven development.

Technologies: Java 11, Spring Boot, Spring Data JPA, Hibernate, Kafka, PostgreSQL, JUnit 5, Mockito, Docker, Azure

Senior Full Stack Developer | Cognizant, Chennai Jul 2019 – Oct 2022

American Airlines – Pilot Technology

- Designed and implemented RESTful APIs using Spring Boot with comprehensive Swagger/OpenAPI documentation, ensuring high-quality, on-time feature delivery.
- Optimized database queries and implemented strategic indexing on PostgreSQL, improving API response times by ~25%.
- Built robust data access layers using Hibernate/JPA with optimized entity mappings and query strategies.
- Established unit testing standards with JUnit and Mockito, achieving 85%+ code coverage across critical modules.
- Performed thorough code reviews enforcing SOLID principles and Java best practices across the team.
- Diagnosed and resolved production issues through systematic root cause analysis and JVM performance tuning.

Technologies: Java 8/11, Spring Boot, Spring MVC, Hibernate, JPA, PostgreSQL, JUnit, Mockito, Docker, Azure

Java Developer | Cognizant, Chennai Nov 2017 – Jun 2019

Kohl's – Retail

- Implemented RESTful APIs using Spring Boot for high-traffic backend services handling thousands of concurrent requests.
- Integrated Hazelcast in-memory caching with custom eviction policies, reducing API latency by ~40% and decreasing load on downstream Oracle databases.
- Developed data persistence layer using Hibernate ORM with optimized HQL queries and batch processing.
- Applied design patterns (Repository, Service, Factory) to create clean, testable, and maintainable code architecture.
- Debugged and resolved production issues by analyzing JVM heap dumps and thread analysis.

Technologies: Java 8, Spring Boot, Hibernate, Oracle, Hazelcast, JUnit, Maven

Education

B.Tech. in Information Technology

Sree Vidyanikethan Engineering College | Jul 2013 – May 2017 | CGPA: 8.4/10

Relevant Coursework: Object-Oriented Programming, Data Structures & Algorithms, Database Management Systems, Operating Systems, Computer Networks

Awards & Recognition

- Ranked in top 5% in national coding competition conducted by Cognizant during engineering.
- Awarded "Diamond in the Rough" recognition at Digital Engineering Townhall, selected among 500+ new entrants.
- Received client leadership appreciation for independently driving end-to-end Go-Live of major cloud migration project.
- Recognized by Cognizant leadership for consistently delivering critical features with near-zero production defects.