

SANA BEGUM

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Aurora, IL, USA

PROFESSIONAL SUMMARY

- Senior Java/J2EE Backend Developer with 6 years of experience building high-performance backend systems for large-scale enterprise platforms across transportation, retail, SaaS, and digital payments domains.
- Expert in Core Java, J2EE, Spring MVC, Hibernate, REST APIs, JDBC, Struts, and designing scalable service-layer architectures supporting complex business workflows.
- Skilled in SQL development with PostgreSQL, Oracle, Sybase, PL/SQL, MySQL, including stored procedures, triggers, indexing, and query optimization for transactional applications.
- Strong capabilities in building REST/SOAP integrations, JSON/XML pipelines, secure data exchange mechanisms, and backend modules aligned with distributed microservice environments.
- Hands-on experience with backend quality and deployment processes including JUnit/Mockito testing, Maven builds, WebLogic deployments, Git versioning, Log4j/Splunk debugging, and Agile/Scrum delivery practices.
- Proven ability to collaborate with product, QA, DevOps, and architecture teams, driving efficient delivery cycles, stable releases, and maintainable backend solutions.

EDUCATION

Bachelor of Science – Accounting & Commerce | Osmania University | 2017

TECHNICAL SKILLS

Programming Languages:	Java, J2EE, SQL, PL/SQL, Python, C, C++
Backend Technologies & APIs:	JSP, Servlets, JSTL, JDBC, JNDI, JMS, JAXB, EJB, JAX-RPC, Spring MVC, Spring Core, Spring Security, Spring REST, Spring Boot, Spring AOP, Hibernate, JPA, Log4j, Kafka
Microservices & Integrations:	REST APIs, SOAP Services, JSON/XML Processing, Distributed Integrations, API Gateways, Message-Driven Architectures
Frontend & UI:	JavaScript, TypeScript, jQuery, AJAX, HTML5, CSS3, Bootstrap, AngularJS, React
Databases:	Oracle, PostgreSQL, MySQL, Sybase, MongoDB, NoSQL
Cloud / DevOps & Tools:	Docker, Kubernetes, Jenkins, AWS EC2, Linux CLI, Swagger/OpenAPI, Shell Scripting
Application Servers:	WebLogic, WebSphere, Apache Tomcat, JBoss, OpenShift
Tools & IDEs:	IntelliJ IDEA, Eclipse, NetBeans, Visual Studio Code, IBM RAD, WSAD
Version Control:	GitHub, SVN, Bitbucket, CVS, ClearCase
Engineering Practices:	Agile/Scrum, SDLC, Unit & Integration Testing, Code Reviews, TDD
Build & Monitoring:	Maven, Gradle, Ant, SOAP UI, Splunk, JIRA, HP ALM

PROFESSIONAL EXPERIENCE:

BNSF Railway | Fort Worth, TX

Sr. Java Developer

Nov 2022 – Present

- Developed backend components using Core Java, J2EE, Spring MVC, and REST APIs supporting real-time logistics, crew operations, and rail-scheduling systems.
- Engineered scalable service-layer modules handling multi-system data flows, routing logic, trip execution, and operational event processing.
- Designed optimized SQL queries, stored procedures, triggers, and indexing patterns across Oracle and PostgreSQL to support high-volume transactions.
- Enhanced ORM behavior through refined Hibernate mappings, caching, and transaction-management improvements.
- Built SOAP/REST services with structured XML/JSON validation, secure message handling, and robust exception frameworks.

- Implemented Log4j logging strategies and used Splunk for monitoring distributed service behavior and identifying performance bottlenecks.
- Developed deep-coverage JUnit/Mockito test suites validating backend workflows and core business logic.
- Supported environment configuration, Maven builds, and WebLogic deployments across multiple environments.
- Collaborated with product, QA, engineering, and architecture teams during story refinement, planning, and release cycles.
- Created detailed backend documentation covering APIs, integrations, workflows, and deployment structures.

Environment: Core Java, J2EE, Spring MVC, Hibernate, REST/SOAP, Oracle, PostgreSQL, PL/SQL, JSON/XML, Log4j, Splunk, Maven, WebLogic, JUnit, Mockito, Git, Linux, Kafka, Redis, Swagger/OpenAPI, Docker, Kubernetes, Jenkins, AWS EC2

Client: Staples – Framingham, MA

Sr. Java/J2EE Developer

Jul 2021 – Oct 2022

- Designed backend modules for catalog management, order processing, pricing, returns, and inventory operations using Java, J2EE, Spring MVC, and Hibernate.
- Developed REST APIs powering checkout, product search, session management, cart operations, and internal merchant-tool functions.
- Built JSP, JSTL, AJAX, and JS-driven UI elements integrated with backend services for real-time operations dashboards.
- Created stored procedures, triggers, indexing strategies, and optimized SQL in PostgreSQL for high-volume enterprise data flows.
- Refactored legacy Struts-based modules into Spring MVC to modernize structure, increase reliability, and reduce tech-debt dependencies.
- Integrated external vendor systems using SOAP/XML, applying strict validation and secure data-parsing routines.
- Utilized Splunk for root-cause analysis, monitoring latency patterns, and resolving cross-service failures.
- Implemented JUnit/Mockito test suites validating business logic and ensuring stable release cycles.
- Participated in Agile ceremonies, contributing to story refinement, sprint planning, and release readiness.

Environment: Core Java, J2EE, Spring MVC, Struts, Hibernate, JSP, Servlets, PostgreSQL, PL/SQL, SOAP, XML/JSON, Splunk, Maven, Git, JUnit, Mockito, Docker, Jenkins, Kubernetes, Redis, Swagger/OpenAPI, Linux

Client: Tricentis – Austin, TX

Sr. Java Full-Stack Developer

Mar 2020 – Jun 2021

- Developed backend modules for Tricentis automation platform using Java, Spring MVC, J2EE, Hibernate, and REST APIs.
- Implemented APIs supporting test-execution flows, configuration management, user operations, and reporting workflows.
- Designed relational schemas, SQL functions, and query-optimization strategies for PostgreSQL and Oracle.
- Built UI layers using JSP, jQuery, AJAX, and AngularJS for administrative dashboards integrated with backend services.
- Engineered SOAP/REST integrations using JAXB for structured XML/JSON data exchange.
- Implemented Log4j logging pipelines and monitored distributed logs through Splunk for debugging and optimization.
- Built robust JUnit/Mockito test cases ensuring accuracy of backend logic, API behavior, and data-processing rules.
- Supported WebLogic deployments, Maven builds, and multi-environment configuration.
- Participated in Agile development cycles, contributing to story grooming, architecture discussions, and code reviews.

Environment: Core Java, J2EE, Spring MVC, Hibernate, JSP, JDBC, AngularJS, SOAP/REST, JAXB, JSON/XML, PostgreSQL, Oracle, Maven, WebLogic, SVN, JUnit, Mockito, Docker, Kubernetes, Jenkins, Redis, Swagger/OpenAPI, Linux, Git

Instamojo – India

Java Developer | Aug 2017 – Feb 2019 (Merged Infotech + Avon Experience)

- Developed backend modules for digital-payments platform including settlements, routing, refunds, KYC workflows, and merchant-dashboard services using Java, J2EE, Spring MVC, and Hibernate.
- Built REST APIs powering payment orchestration, billing cycles, transaction logs, audit tracking, and merchant-profile operations.
- Engineered complex SQL stored procedures, functions, triggers, and database structures across Sybase and PostgreSQL supporting financial-grade data accuracy.

- Developed JSP/Servlet-based internal workflows assisting support teams in dispute management, merchant inquiries, and payout analysis.
- Modernized legacy Struts/JSP modules into Spring MVC, improving system modularity and long-term maintainability.
- Integrated XML/JSON-based services using JAXB for secure communication with internal and external financial systems.
- Built extensive JUnit/Mockito test coverage validating payment logic, KYC validations, and settlement workflows.
- Supported Maven deployments, SVN version control, and collaborated across Agile teams for iterative delivery.

Environment: Core Java, J2EE, Spring MVC, Struts, Hibernate, JSP, Servlets, Sybase, PostgreSQL, PL/SQL, JSON/XML, JAXB, Maven, SVN, Log4j, JUnit, Mockito, Docker, Jenkins, Kafka, Redis, Swagger/OpenAPI, Linux, Git

BOOTCAMP AND TRAINING PROGRAM:

Java Developer Trainee – Bootcamp Program | TechLead Institute of Software Engineering | India | Jan 2017 – Jan 2018

- Completed an intensive Java development bootcamp focused on Core Java, OOP concepts, JDBC connectivity, servlet-based backend workflows, and structured application design.
- Built mini-projects implementing MVC patterns, form validations, session handling, and CRUD operations using Servlets, JSP, and SQL databases.
- Gained hands-on experience writing JDBC queries, performing exception handling, managing user input flows, and integrating Java modules with relational databases.
- Practiced version control, debugging techniques, and basic testing of backend logic while collaborating in team-based assignments simulating real project environments.