Sheersh Tiwari

Java Full-Stack Developer | Spring Boot · AWS · SQL Optimization

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PROFESSIONAL SUMMARY

Java Full-Stack Developer with 4+ years building scalable microservices and REST APIs using Java, Spring Boot, Spring Data/JPA, and Hibernate, backed by strong hands-on SQL query development and performance optimization (indexing, execution plans) across MySQL and Oracle. Experienced with React.js/Angular front ends, AWS (EC2, S3, RDS, Lambda), Docker, Kafka/RabbitMQ, and Agile delivery.

Delivered a cross-module search feature that cut query time from 12–15 minutes to 6–10 seconds across 200M+ records through query and indexing optimization; led multilingual enablement spanning UI, backend, and reporting at CloudLIMS.

Track record of production stability and delivery impact: reduced downtime by 20%, improved performance by 15%, cut bug backlog by 40%, and consistently ships within Agile Scrum/Kanban cycles.

SKILLS & TECHNOLOGIES

Languages: Java, JavaScript, Python, SQL
Frameworks: Spring Boot, Spring MVC, Spring Data/JPA, Spring Security, Spring Cloud, Hibernate, Kendo UI
Frontend: React.js, Angular, jQuery, AJAX, HTML5, CSS3, Bootstrap, Tailwind
Databases: MySQL, PostgreSQL (working knowledge), Oracle, MongoDB, Cassandra
SQL & Performance: Complex query development, indexing strategy, execution-plan analysis, stored procedures/functions/triggers
Cloud & DevOps: AWS (EC2, S3, RDS, Lambda, IAM), Azure, GCP, Kubernetes, Docker, Jenkins, Terraform, Splunk Cloud
Messaging: Apache Kafka, RabbitMQ, Amazon Kinesis, Apache ActiveMQ
Testing & Tools: JUnit, Jasmine/Karma (exposure); Git/GitHub/GitLab/BitBucket, Maven, Gradle
Methods: Agile (Scrum, Kanban, XP), JIRA, AI-assisted coding workflows (Claude, GitHub Copilot)

PROFESSIONAL EXPERIENCE

Full Stack Developer | CloudLIMS Lab Solutions Pvt. Ltd. — Indore, MP, India *Feb 2022 – Present*

- Designed and developed complex SQL queries and Oracle stored procedures/functions/triggers to power core CloudLIMS reporting and data operations, applying indexing to keep queries performant at scale.
- Built a cross-module association search using optimized indexing algorithms, cutting search time from 12–15 minutes to 6–10 seconds for customers managing 200M+ records.
- Led design and development of multilingual support across UI, backend, and report generation using Java, Spring Boot, and localization techniques.
- Owned enhancement and maintenance of core CloudLIMS modules — feature upgrades, performance tuning, and bug fixes — reducing system downtime by 20%.
- Integrated QuickBooks with CloudLIMS via bidirectional REST APIs to automate external invoicing, improving invoicing turnaround time by 30% and reducing manual errors.
- Resolved 500+ reported issues spanning UI enhancements and backend optimizations, cutting the bug backlog by 40% and improving system stability.
- Drove Agile delivery (Scrum/Kanban) with JIRA across the development lifecycle, increasing project efficiency by 25% while hitting release timelines.

PROJECTS

Course Recommendation System *(Java, Spring Boot, Amazon Lex, API Gateway, SNS)*

- Built a Java microservice using cosine similarity for course recommendations; integrated an Amazon Lex chatbot, exposed REST endpoints via API Gateway, and sent status-change alerts via Amazon SNS.

Airport Management System *(Java, Spring Boot, PostgreSQL, S3, Scheduler)*

- Implemented CRUD services with Spring Data JPA on PostgreSQL, scheduled jobs via @Scheduled, S3 object storage, and Spring Cloud Gateway routing for scalable access.

ACHIEVEMENTS

- The Beacon – Employee of the Year 2024 (CloudLIMS): recognized by the COO, manager, and HR for performance, leadership, and organizational impact.
- RNR – Employee of the Month, 2x (Nov 2023, Jun 2022): recognized for dedication, efficiency, and impactful results.

EDUCATION

B.Tech, Computer Science — Technocrats Institute of Technology (TIT), Bhopal
2018 – 2022 | CGPA: 7.8/10