

Kuldeep Sharma

Software Engineer

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Summary

Seasoned Software Engineer with a focus on driving team success and improving user experiences. I possess a robust background in software development, including expertise in Java, distributed systems, and Web technologies. My work is centered on developing practical solutions and optimizing system performance.

Education

Lovely Professional University
B.Tech Computer Science (CGPA: 9.10)

Punjab, India
2016 - 2020

Experience

Tekion Corp
Senior Software Engineer

Bengaluru, India
July 2023 - Present

- Handled race conditions in Kafka-powered task creation and rule engine workflow triggers, resulting in a notable improvement in user sentiment across multiple dealerships.
- Implemented the COV (Customer One View) referencing feature for lead de-duplication flows, driving a CRM transition from lead-centric to customer-centric operations.
- Engineered a thorough redesign of the lead creation flow, focusing on enhancing code readability and optimizing the lead creation API response times by 40% for bulk operations. These enhancements directly bolstered efficiency in bulk OEM lead creation workflows.
- Implemented serialized lead creation processes to handle leads generated within milliseconds, leveraging Redis cache for rapid identification. This approach significantly improved lead de-duplication accuracy.

Software Engineer

January 2022 - July 2023

- Developed a key feature enabling scheduling of performance reports based on user metrics, similar to Outlook scheduler functionality. Introduced a custom scheduler that significantly improved user experience.
- Revamped appointment and visit log workflows for better User engagement. Implemented optimizations to check-in, cancel check-in, and checkout processes, achieving bug-free functionality and enhancing operational efficiency.
- Developed and implemented a Lead merge micro-service utilizing Elasticsearch for matching duplicate leads. Handles both automated and manual lead merges, successfully scaling the feature to support over 500 dealerships.

Extramarks Education
Software Engineer

Noida, India
January 2020 - January 2022

- Developed a robust Java-based workflow engine from the ground up, supporting time-based, event-driven, and manual workflows, and improving operational efficiency by 25% through customizable user journeys.
 - Developed a salary management tool utilizing cron jobs to synchronize daily employee attendance. Implemented APIs to provide dashboard metrics and facilitate data analysis.
 - Enhanced code coverage from 30% to 80% across all services through extensive JUnit unit testing. Authored integration tests for critical workflows to ensure robust functionality.
 - Handled the team migration to Neo4j database technology, serving as the point of contact for similar migrations across the engineering department.
 - Implemented Elasticsearch queries to optimize data retrieval, significantly enhancing system performance.
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Projects

Replication-manuscript

- Collaborated in a team of 4 members on a project focused on mimicking handwriting from input text using Python and OpenCV.
- The project utilized computer vision techniques for handwriting replication.
- GitHub repository: [repo-link](#)

Ant Colony Optimisation

- Implemented the Ant System algorithm in Java for solving the symmetric Euclidean Traveling Salesman Problem.

Technical Skills

Languages: Java, C, C++HTML/CSS, Python, SQL

Framework/Libraries/Database: Spring , Spring boot, Kafka, Elasticsearch, MySQL, MongoDB, Neo4j, AWS (EC2, S3), Docker, GIT, Jira, AWS, Jenkins

Courses: Object Oriented Programming, Data Structures and Algorithms, Database Management, Machine Learning, Computer Networks, Operating Systems, System Design

Coding Profile

Solved over 500 questions on platforms [Hackerrank](#), [LeetCode](#)

Earned a Gold badge in Problem Solving on Hackerrank.

Contributed to GitHub Arctic Code Vault Contributor.
