Manikanta Sai

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SKILLS

- **Programming Languages** : Java, MySQL, HTML, JavaScript
- **Libraries and Frameworks** : Spring Boot, Redis, kafka, Microservices, Hibernate, Junit, MongoDB, CSS
- **Tools** : AWS, Swagger, Docker, Kubernetes, CI/CD, Jenkins
- **Other Skills** : Data Structures and Algorithm, Low level design

EXPERIENCE

Senior System Engineer   Aug 2022 - Present
Infosys

- Optimized RESTful APIs in a Java application, improving response times by 20% and reducing payload size by 20% through effective caching.
- Implemented Role-Based Access Control (RBAC) with OAuth and JWT, ensuring secure access and compliance with industry security standards.
- Enhanced MySQL query performance and indexing strategies, decreasing execution time by 30% and boosting overall application responsiveness.
- Integrated AWS services like EC2, S3, and Lambda, increasing system scalability and reducing downtime by 30% during peak traffic.
- Developed an event-driven microservices architecture using Kafka, significantly enhancing real-time order processing and overall system reliability.
- Achieved a 30% reduction in API response time by implementing Redis caching strategies.
- Created automated unit tests with JUnit and Mockito, achieving 85% test coverage and significantly increasing code reliability

PROJECTS

Movie Ticket Booking System (BookMyShow Clone)
🔗 https://github.com/choppasai/BookMyShow

- Designed and implemented a high-performance ticket booking system using Spring Boot, Hibernate, and MySQL.
- Resolved concurrency issues, improving transaction safety and enhancing customer satisfaction.
- Implemented event-driven architecture using Kafka, reducing API lag and improving scalability.
- Integrated secure payment gateways, increasing transaction security and boosting user trust.
- Achieved 50% faster response times by optimizing database queries and implementing Redis caching.

E-commerce Order Management System
🔗 https://github.com/choppasai/HomeDelivery

- Developed a web-based e-commerce platform with Spring Boot, Hibernate, and MySQL.
- Optimized backend services, improving API response time by 25%.
- Containerized the application using Docker, ensuring efficient deployment and scalability.
- Used AWS Lambda for serverless functions, reducing infrastructure costs.

ACHIEVEMENTS

- Solved 500+ Problems on Scaler & 400+ Problems on Leetcode – Strong proficiency in Dynamic Programming, Graphs, Trees, and System Design Problems.
- Top 1% at Scaler Academy – Ranked among the best in Data Structures, Algorithms, and System Design.

EDUCATION

prathyusha engineering college   2022
BE/B.Tech/BS in Computer Science | 8.2 CGPA