SAKSHAM VAISHYA

Lucknow, 226022

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Technical Skills

Languages: C++, JAVA, JavaScript
Development: SpringBoot, React.js, Spring Data JPA, Hibernate, Redis, Batch Processing, Multithreading
Fundamentals: Data Structures and Algorithms, Operating System, System Design, Networking
Developer Tools: Visual Studio Code, IntelliJ IDEA, Postman, SSMS, PostgreSQL
AI Tools : Kusho AI, GitHub Copilot, Cursor

Experience

Newgen Software Technologies Limited   **March 2023 – Present**
[Application Engineer(Backend)]   *Noida, UP*

- Designed and developed scalable APIs using Java and **Spring Boot**, delivering high availability, modularity, and low-latency performance for enterprise-level backend systems.
- Built a scalable batch processing system using **Spring Batch**, **ThreadPoolTaskExecutor**, and **Scheduled Jobs**, capable of processing and delivering **10,000+ messages per hour** via third-party APIs.
- Integrated **Spring Security** to secure over **100+** application endpoints, providing role-based access control and ensuring compliance with OWASP security standards.
- Implemented **multithreaded and asynchronous** processing using AsyncItemProcessor and AsyncItemWriter, achieving a **40%** increase in throughput by enabling concurrent API calls and non-blocking database operations.
- Developed secure authentication flows, including **OTP-based email** verification and password reset functionality, resulting in a **25%** reduction in support tickets related to login issues.

Projects

Ecommerce Backend Application | *Spring Boot, Hibernate, Spring Security, Postgresql, Redis, Kusho AI*   **Github**

- Developed category and product management features in Spring Boot, enabling users to create, update, and delete categories and products with seamless RESTful API support.
- Employed **JPA relationships** to establish efficient connections between products, categories, and user carts for seamless data retrieval.Implemented **search, sort, and pagination** functionalities to improve product discovery and browsing experience.
- Integrated **DTOs** for efficient data transfer and validation between client requests and backend operations, while using **PostgreSQL** for reliable data persistence and efficient storage during development and testing.
- Integrated **Spring Security** with **JWT-based authentication** and **HTTP-only cookie session management**, with **Redis** used to cache authentication tokens and user session data for improved performance and scalability.
- Used **Kusho AI** to automatically test and validate API responses, ensuring robust endpoint functionality and reducing regression errors.

Journal Backend App | *Java, Spring Boot, Spring Security, Spring Data JPA, MS SQL Server, Postman*   **Github**

- Developed REST APIs using Java and Spring Boot, enabling user interactions with the journal app, including **CRUD operations** for journal entries.
- Implemented role-based **authentication** and **authorization** using **Spring Security** and **JWT**, ensuring secure access based on user roles (e.g., Admin, User).
- Utilized **JPA relationships** to manage and fetch user and journal entry data efficiently, while implementing logging for tracking API requests and application activities using tools like **SLF4J** and **Logback**.

Education

Dr. A.P.J. Abdul Kalam Technical University (AKTU)   **Aug. 2019 – July 2023**
Bachelor of Technology in Electronics and Communication Engineering   *CGPA- 8.3*

Achievements

- Solved **700+ DSA problems** from LeetCode and GFG, building problem solving skills. Saksham2388
- Earned LeetCode badges for completing 100 and 50 consecutive days of coding challenges and also earned SQL Badge.
- 150+ Problem Solved on Coding Ninjas (Champion Level)
- 5 Star in Problem Solving and C++ on HackerRank