

SANDIP CHAKRABORTY

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Experienced Software Development Engineer with over 8 years of expertise in designing, developing, and deploying scalable software solutions. Proficient in Java, Spring Boot, and cloud technologies, with a proven track record of optimizing performance and reducing operational costs. Seeking a challenging role to leverage my technical skills and drive impactful projects in a dynamic environment.

Technical Skills:

- **Programming:** Java • SQL
- **Frameworks:** Spring • Spring Boot • Hibernate • JDBC
- **Cloud & DevOps:** Azure • Docker • Kubernetes • Git • Jenkins
- **Databases:** PostgreSQL • Cosmos DB • NoSQL
- **Other Technologies/Tools:** Kafka • Redis • Junit • Mockito • Spock • BPM • GraphQL

Experience:

SDE 3 | Walmart Global Tech India | Chennai, Tamil Nadu | JAN 2022 - PRESENT

Consent Management System (May 2024 TO Present): The **Consent Management System** is a critical compliance solution designed to manage and enforce user consent preferences as per data privacy regulations, such as CCPA, Bill 64.

- Designed and implemented the system using microservices architecture with Spring Boot for high-scale transactions.
- Optimized cloud resource allocation and achieved 40% cloud cost saving.
- Implemented custom listener in Kafka consumer which further uses java concurrency to reduce processing time by 70% for each consent requests.

CCPA (Jan 2022 TO May 2024): CCPA is an enforcement of the law California Consumer Privacy Act (CCPA).

- Led the development of a microservices-based system, following Agile methodologies to meet project goals on time.
- Facilitated the dynamic content appending feature in specific email templates, enabling operations team members to trigger notifications more efficiently, resulting in an additional 30% savings in time approximately.

SDE 2 | Lexmark International R&D | Kolkata, West Bengal | OCTOBER 2019 - JANUARY 2022

CIAM (OCTOBER 2019 TO JANUARY 2022): CIAM is a robust, scalable system based on microservices architecture to manage Customers' Identity and Access, in printing and billing devices.

- Transformed legacy services to cloud based services, which improves system availability and scalability.
- Upgraded authentication mechanism to use JWT.
- Transformed legacy authorization system to use Azure AD for authenticating and authorizing users into printers. Improving user experience of logging into devices, using both BADGE and PIN methods.

SDE | Wipro Technologies | Chennai, Tamil Nadu | MARCH 2017 - OCTOBER 2019

XRPD (OCTOBER 2019 TO JANUARY 2022): Development of a web portal for **X-Ray Powder Diffraction Pattern match analysis** for the scientists of R&D wing of a leading pharmaceutical company.

- Created product backlog and High-Level Design Document based on client requirements.
- Led a team of 5 developers, focusing on back-end development to enhance analytical efficiency, reducing manual efforts by 50–60%.

QPS (OCTOBER 2019 TO JANUARY 2022): The project is to develop internal operations portal for a postal system of a country.

- Developed a postal domain-based web application from scratch, focusing on labeling, address management, and QPS modules.
- After delivery, users experienced improved efficiency in daily tasks such as labelling parcels, parcel sorting, and delivery management, resulting in an 80% reduction in manual effort.

Education:

B. Tech in Electrical Engineering

Government College of Engineering and Textile Technology, Berhampore, West Bengal
2016 | 8.46 CGPA

- Member of The Institution's Alumni Association

Activities:

Badminton • Yoga • Hiking