Sayantan Das

Portfolio: codecraftsbysanta.in   Email: d.sayantan@outlook.in
LinkedIn: linkedin.com/in/sayantand99
Github: github.com/SayantanD99

WORK EXPERIENCE

- **Capgemini**   Kolkata, India
  Software Engineer (Full-time)   *April 2021 - Present*
  - Developed and maintained Java-based web applications, implementing best coding practices that contributed to a 30% revenue increase.
  - Modernized legacy Java applications using Spring and Hibernate, achieving a 25% reduction in system downtime.
  - Utilized Spring Boot to rapidly develop RESTful APIs, significantly enhancing system performance and scalability.
  - Optimized Garbage Collection Logs and refactored code, resulting in a 30% reduction in memory consumption.
  - Identified and resolved code inefficiencies, leading to a 20% decrease in customer complaints.
  - Wrote and optimized SQL queries to support database operations, increasing overall app stability by 40%.
  - Designed and implemented interactive UIs with JavaScript, HTML, and CSS, improving web application functionality.
  - Collaborated with cross-functional teams to gather requirements, plan software architectures, and implement solutions aligned with business goals.
  - Participated in the full software development life cycle and Agile processes to drive continuous improvement initiatives.
  - Automated daily tasks and reporting processes, reducing manual effort of the operations team by 20%.
  - Engaged in peer programming sessions to learn new technologies and foster knowledge sharing.
  - Managed a team of 6, providing project-specific technology training to ensure smooth on-boarding.

PROJECTS

- **Shop Ease [Link] :** Designed a microservices-based eCommerce platform with login, authorization, product catalog, and payment gateway for an enhanced user experience. Deployed on AWS Elastic Beanstalk with RDS for data persistence and CloudWatch for monitoring, ensuring system reliability. Implemented Kafka-driven email services for scalable communication and advanced sorting, filtering, and paging for better product discovery, boosting engagement by 30%. Optimized API response times from 500 ms to 20 ms using Redis caching, significantly improving performance.

- **Task Tracker [Link] :** Implemented a task management system with a user-friendly interface, increasing engagement by 30% and satisfaction by 25%. Optimized server-side performance with Node.js (40% improvement) and integrated MongoDB, reducing data access times by 50%. Enhanced the UI with EJS, boosting user experience ratings by 20%.

- **Secrets Logger [Link] :** Developed a secure authentication system using Passport.js with unique user credentials and Google OAuth 2.0 for seamless login. Built a scalable backend with Node.js and Express.js, ensuring a dynamic web experience. Integrated MongoDB for reliable data storage and persistence.

SKILLS

- **Languages :** Java, JavaScript, SQL, HTML, CSS
- **Libraries and Frameworks :** Spring Core, Spring Boot, Spring Web, Spring Data, Spring Cloud, Spring Security, JPA, Hibernate, JUnit, Mockito, NodeJS, ExpressJS, Bootstrap
- **Tools :** MySQL, MongoDB, Redis, Apache Kafka, Maven, Docker, Kubernetes, AWS Elastic Compute Cloud (EC2), AWS Simple Storage Service (S3), Amazon Virtual Private Cloud, Amazon RDS, AWS Aurora, Amazon Elastic Beanstalk, Amazon CloudWatch, Amazon Identity and Access Management (IAM), Git, GitHub, Postman, JetBrains IntelliJ IDEA, JIRA
- **Platforms :** AWS, SAP BTP, Windows, Linux, Mac, Web
- **Other Skills :** Data Structures, Algorithms, Problem Solving, System Design, Microservices, REST APIs, Code Review, Generative AI, Prompt Engineering, Agile Methodologies, Teamwork, Leadership

CERTIFICATIONS

- **Amazon Web Services (AWS)**   AWS Certified Cloud Practitioner

HONORS AND AWARDS

- Global Rank 1216/26k+ contestants in LeetCode Weekly Contest 356 - July, 2023 [Link]
- Featured in the Evening News Wrap by LinkedIn News India - April, 2023 [Link]
- Recognized for great performance among the Young Professionals in Capgemini - March 2022 [Link]
- Second Runner's Up in the L1 exams conducted by Capgemini L&D India.- June, 2021 [Link]

EDUCATION

- **Saroj Mohan Institute of Technology**   Hooghly, India
  Bachelor of Technology - Computer Science & Engineering; GPA: 8.20   *August 2016 - July 2020*