Arup Sarkar

Full-Stack Software Developer

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EDUCATION

WEST BENGAL UNIVERSITY OF TECHNOLOGY   July 2018 - June 2022
Bachelor of Technology in Applied Electronics & Instrumentation Engineering   Kolkata, India
CGPA: 8.14

EXPERIENCE

CISCO | Software Developer Trainee   Bengaluru, India | Nov 2022 – Nov 2023

- Demonstrated proficiency in designing, developing, and deploying micro-services architecture using Java.
- Applied Corona Vulnerability Scanning in Project resulted in a significant 75% reduction in potential cyber risks.
- Contributed to API development enhancements for the DAL-Search application, resolving resource exhaustion issues.
- Re-designed API endpoints, leading to a notable 10% decrease in data retrieval time from the Data Center. Optimized 2.0 stack by removing 'config-gateway,' reducing client hops, streamlining configuration for enhanced efficiency.
- Collaborated with cross-functional teams to actively contribute to API development, conducting thorough E2E testing.
- Implemented CI/CD pipelines for automated testing, building, debugging, and deployment of codes.
- Integrated Jenkins to facilitate issues identification & resolution, resulting 15% increase in overall application performance.

SKILLS

Programming Languages	J2EE, Python, C, SQL
Libraries/Frameworks	Hibernate, MVC, JDBC, Servlet, JSP, JPA, XML, JSON, JMS, REST-APIs
Tools / Platforms	Git, Gradle, Elasticsearch & Kibana, Jenkins, Jira, Maven, Grafana, Groovy, Mockito, Junit
Databases	MySQL, PostgreSQL, MongoDB

PROJECTS

Employee Management System   Spring Boot, Angular

- Revamped HR systems through the integration of an automated onboarding platform, decreasing the onboarding time for new employees by 30% and improving overall employee satisfaction.
- Enhanced user engagement by developing an intuitive interface with seamless navigation, enabling detailed employee viewing and efficient record removal; resulting in a 10% reduction in user onboarding time and a 20% increase in data accuracy.
- Developed and Deployed AI-powered automation features that streamlined manual tasks, improving team efficiency by 20% and saving 30+ hours per week.

Hotel Management Microservices   Spring Boot, Maven

- Optimized how microservices can be used to build a cloud-based hotel management system, resulting in a 40% reduction in administrative tasks and saving over 200 hours per month.
- Each microservice provides a specific functionality related to hotel management, to manage hotel listings, reviews, and ratings, resulting in a 25% reduction in operational costs and a 30% increase in overall productivity.
- Managed a process re-engineering project to improve and consolidate end-to-end service processes; restructured communication flow among 3 departments and cut down paperwork by 65%.

CERTIFICATIONS

- Java Full Stack Development - [simplilearn](#)
- Implementing and Administering Cisco Solutions (CCNA) - [Cisco](#)
- Python Training Certification Course - [Simplilearn](#)

HONORS & AWARDS

- Actively participated in the WxCC hackathon program, contributing to the automation of Data-Platform events.
- Made significant contributions to Solve coding challenges on Hacker-rank.
- Completed training in Java enterprise software development, acquiring skills, become a proficient Full-Stack Developer.