SARTHAK AGGARWAL

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EDUCATION

B. Eng. in Computer Science and Engineering | GPA: 8.66 | Manipal University Jaipur, India (July 2019 - July 2023)
Related Courses: Data Structures, OOPs using Java, Cryptography and Security, Machine Learning.

12th | GPA: 9.12 | Sagar Public School, Gandhinagar, Bhopal (April 2018 - April 2019)
Related Courses: Physics, Chemistry, Maths

TECHNICAL SKILLS

Languages: Java, Python, HTML, CSS, SQL, R
Tools: VS Code, GitHub , Bootstrap, WordPress, Tableau, Power BI, Google Data Studio,AWS,GCP
Technologies: SpringBoot, Hibernate,Apache Kafka , JDBC,Gitlab,JUnit and Mockito,Jira
Databases: MySQL, MongoDB, PostgreSQL,AWS RDS ,Redis
Monitoring & Observability: Prometheus, Grafana, ELK Stack (ElasticSearch, Logstash, Kibana), Jaeger,AlertManager

EXPERIENCE

1. Software Developer | LogicSoft Pvt Ltd | Gurugram (June 2024 – Present)

1.1 FCIQMS (Food Quality Management System)

- Architected and deployed an Officer Transfer Management module reducing support tickets by 60% and managing 1,000+ personnel transfers monthly across 200+ laboratories and depots.
- Formulated a high-throughput grain sample tracking system with PostgreSQL stored procedures and functions, processing 50,000+ samples monthly with precise unique identifier generation.
- Collaborated with Devops team to implement and fine-tune a monitoring and observability stack using Prometheus, Grafana , ELK enabling proactive issue detection and accelerating incident response by 50%.
- Optimized application performance by implementing Redis caching (40% faster API response times) and batch processing (30% lower server load), while achieving a 95% improvement in issue resolution using the ELK Stack.
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2. Associate Software Developer | Reshita | Remote (Dec 2023 – May 2024)

1.1 MedTech Clinic Management System

- Configured, developed and led the migration of a robust MedTech platform for clinic management to a microservices architecture resulting in a 40% improvement in scalability and a 30% increase in maintainability. incorporating Java Spring Boot and MySQL.
- Engineered critical services such as OTP verification via SMTP and JWT token-based authentication via spring security reducing login time by 50% and ensuring a 99.9% success rate in secure user access.
- Implemented features for clinic data management, appointment scheduling, and seamless PayPal integration for transactions, producing a 35% reduction in administrative overhead and a 20% increase in transaction processing efficiency.

1.2 Internal Management System (IMS)

- Led the development of an agile Internal Management System featuring token and role-based authentication for enhanced security and improving overall system security and integrated Jaeger for comprehensive logging and monitoring, resulting in a 20% decrease in system downtime and enhancing performance
- Orchestrated seamless integration with Apache Kafka to enable real-time data streaming capabilities that reduced computation time by 50% and improved data accuracy by 25%.

3. Engineer Trainee | PureSoftware | Noida (Feb 2023 – Nov 2023)

- **Frontend Development:** Styled and implemented visually appealing, responsive interfaces using React and Material UI, achieving a 25% increase in user interaction.
- **Backend Development:** Constructed scalable microservices using Spring Boot, boosting system scalability by 40% to handle increased user traffic.

PROJECTS

1. Doc-Aid: Clinic Management System for Private Practitioners |Java,SpringBoot,MySQL (Dec 2023 - Present)

- Doc-Aid streamlines appointment scheduling, prescription management, for modern clinics, optimizing workflow and patient care.
- Honored with an award by former IT Minister Ravi Shankar Prasad for outstanding contributions to the groundbreaking "Doc-Aid" at its official launch event.
- Enhance clinic operations while maintaining flexibility ensuring personalized and efficient care delivery.