Vidya Sagar Himansu

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EXPERIENCE

Software Engineer <div style="float:right">Sept 2021 – Nov 2024</div>
Societe Generale <div style="float:right">*Pune, Maharashtra*</div>

Frontend Development:
- Developed and maintained a React-based frontend, enhancing user experience and increasing user satisfaction scores by 25%.
- Built high-traffic web applications using **React, Redux, and RESTful APIs**, ensuring seamless user interactions.

Backend Development:
- Engineered scalable, cloud-native backend services using **Java and Spring Boot**, managing concurrent trade flows worth over USD 50M..
- Designed robust backend services using **C# and ASP.NET Core**, improving application performance and scalability.

Database Optimization:
- Optimized database performance through advanced schema design and indexing, boosting query speed by 40%.

DevOps & Automation:
- Automated software delivery pipelines using **CI/CD tool**s, reducing deployment lead time by 60% and maintaining high code quality.
- Automated build and deployment processes using Jenkins, enabling more frequent and reliable releases.

Data Processing:
- Designed and developed batch processing workflows using Apache Airflow, automating data pipelines and improving data processing efficiency by 53%.
- Implemented DAGs (Directed Acyclic Graphs) to schedule and monitor complex batch jobs, ensuring timely and reliable data processing.

Security & Compliance:
- Implemented robust security protocols to protect sensitive trade data, ensuring compliance with industry standards.

Performance Optimization:
- Led the resolution of critical performance issues, achieving a 20% improvement in application speed and a 30% reduction in error rates.

PROJECTS

Trade Flow Monitoring System:
- Built and maintained high-traffic web applications using React, Redux, and RESTful APIs.
- Automated build and deployment processes using Jenkins, resulting in more frequent and reliable releases.
- Conducted extensive testing using JUnit and Mockito to ensure robust and defect-free code.

Trade Flow Downstream Processing:
- Engineered backend services using C# and ASP.NET Core, supporting high-traffic applications with enhanced performance and scalability.
- Integrated RESTful APIs and microservices into existing systems, improving system modularity and maintainability.

Airflow Batch Processing for Reporting:
- Designed batch processing workflows using Apache Airflow, automating data pipelines and improving data processing efficiency by 53%.
- Integrated Airflow with PostgreSQL and MongoDB to streamline ETL (Extract, Transform, Load) processes.
- Optimized batch jobs to handle large datasets, reducing processing time by 20% through efficient resource management.

TECHNICAL SKILLS

Languages: Java, C#, C/C++, Python, SQL (Postgres), JavaScript, HTML/CSS
Frameworks: React, Java Spring-Boot, ASP.NET Core
Developer Tools: Git, Docker, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse
DevOps Tools: CI/CD pipelines, Jenkins, Docker, Kubernetes
Other Tools: Apache Airflow, RESTful APIs, Microservices, JUnit, Mockito

Achievements

- Improved Application Performance: Achieved a 20% improvement in application speed and a 30% reduction in error rates through performance optimization.
- Cost Savings Reduced deployment lead time by 60%, saving significant operational costs.
- User Satisfaction: Increased user satisfaction scores by 25% through enhanced frontend development.

Education

Army Institute Of Technology   Pune, Maharashtra
Bachelor of Engineering(Information Technology)   *June 2017 – June 2021*

Additional Information

- Languages: English (Fluent), Hindi (Native)
- Interests: Competitive programming, open-source contributions and exploring new technologies.