

# Vidya Sagar Himansu

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## TECHNICAL SKILLS

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**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

## EXPERIENCE

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### Software Engineer

Sept 2021 – Nov 2024

*Societe Generale*

*Pune, Maharashtra*

- Developed and maintained a **React**-based frontend, enhancing user experience and increasing user satisfaction scores by 25%.
- Built scalable, cloud-native backend services using **Java and Spring Boot**, managing concurrent trade flows worth over USD 50M.
- Optimized database performance with advanced schema design and indexing, boosting query speed by 40%.
- Automated software delivery pipelines using **CI/CD tools**, cutting deployment lead time by 60% and maintaining high code quality.
- Implemented robust **security** protocols to protect sensitive trade data, ensuring compliance with industry standards.
- Led the resolution of critical performance issues, achieving a 20% improvement in application speed and a 30% reduction in error rates.

#### *Trade Flown Monitoring:*

- 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.
- Worked closely with product managers to gather requirements and deliver software solutions that met business needs.

#### *Trade Flown Downstream Processing:*

- Engineered robust 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.
- Automated continuous integration and deployment processes with Jenkins, reducing deployment times and increasing release reliability.
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#### *Airflow Batch Processing for reporting:*

- 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.
- Integrated **Airflow** with various data sources including PostgreSQL, MongoDB to streamline ETL (Extract, Transform, Load) processes.
- Optimized batch jobs to handle large datasets, reducing processing time by 20% through efficient resource management and parallel task execution.

## EDUCATION

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### Army Institute Of Technology

*Bachelor of Engineering(Information Technology)*

Pune, Maharashtra

*June 2017 – June 2021*