





## CONTACTS:

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## LANGUAGE AND FRAMEWORKS

- JAVA-Core
- Spring Boot
- Spring WebFlux
- Python
- Angular
- Git
- Oracle & DB2

## CO-CURRICULARS

- President 2019-20  
International Students'  
House. University of Delhi
- Secretary 2016-17  
St. Xavier's College Kolkata  
Science Association
- Director, Xavotsav 2017  
Department of Hospitality  
St. Xavier's College Kolkata

# ABHISHEK SEN

A Software Engineer, problem solver & fast learner with a keen interest in learning new technology and adapt to business needs.

## WORK EXPERIENCE

### **Morgan Stanley | Software Engineer 3 | Oct 2024 - Present**

Architect of the renovated Listed Derivative Pairing System - PairPlus. This system is 800% faster than the legacy system while working with a shared database (legacy system had dedicated database) and extremely slim hardware footprint.

- Designed Algorithms and invented custom data structures to achieve this level of performance.
- PairPlus is highly scalable due to its non-blocking data access pattern.
- Successfully migrated >80 % volume from legacy to renovated system with zero critical incidents.

### **Morgan Stanley | Senior Associate | May 2022 - Oct 2024**

- Awarded the Grass Root Innovation in Technology Award 2023 for single handedly creating "Perses - The Intelligent Auto Scaling Load Generation Framework". This was created as a multi-threaded general-purpose library which could be used to generate any form of dynamic load for any type of target with basic configurations.
- Maintained complete ownership of PnL Realization Infrastructure of Listed Derivative Business.
- Key developer in renovation project of PnL Realization System.

### **Accolite | Consultant @ Morgan Stanley |2020-May 2022**

- Data warehousing of listed derivatives trades in Morgan Stanley.
- Proactively improved performance of Hazelcast cache load process by ~ 95%
- Designed Generic Process to reconcile Commissions&Charges from multiple Vendor Systems with MorganStanley data and post automated Journals.

## EDUCATION

- M.Sc (Computer Science)  
Department of Computer Science, Delhi University.  
2018-2020.
- B.Sc (Computer Science)  
St. Xavier's College(Autonomous),Kolkata  
2015 - 2018