



# Pankaj Arora

Software Developer

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## EXPERIENCE

### ION Trading, Noida

July 2016 – Present

#### Software Developer

- **Improve Performance of Queries on In-Memory Data**

Implemented configurable multi-column indexes on in-memory data to improve performance of SQL queries by 80%.

Using **XML** to provide configuration of data model and index and **Java** for implementation on server.

- **Seamless release of Documentation to Clients**

Migrated all client facing and internal documentation to version control.

Automated the documentation review and upload to wordpress environment using **Python**, and **Docker**.

Removed the delays in solution release due to documentation reviews.

- **Release Management Tracking Portal**

Initiated, analysed, and implemented an internal portal for product management to visualise, track, and create client releases using **Python**, and **Django**.

Provided easy deployment using Blue-Green deployment methodology.

- **Foreign Exchange Sales Portal**

Implemented the low latency multi-threaded application to stream and aggregate prices from liquidity providers using **Java**, and **Hibernate**. Responsible for setup of the CI pipeline using **Docker** and **Jenkins** on **AWS** (EC2 and ECS).

- **Straight Through Processing Solution**

Involved from the analysis, development to client deployments and monitoring for the solution.

Developed the back-office STP solution for FX trades using **Java**, **Hibernate**, and **Guice**.

Reduced the deployment time by 70% on client environments (both linux and windows machines) using **Ansible** and **Jenkins**.

## PROJECTS

### Secrets Manager Android & iOS App

Developed a **Flutter** application for storing and backup of personal and sensitive information.

## SKILLS

### Coding

Java   Hibernate   Guice  
JUnit   HTML   TypeScript  
Python   Flutter   Svelte

### Tools & Technologies

Linux   Windows   MacOS  
IntelliJ   Visual Studio Code  
Git   SVN   AWS  
Docker   Jenkins   Ansible  
Maven   npm   Figma

### Industry Knowledge

Design Patterns  
Test Driven Development  
Performance Benchmarking

### Project Management

Jira   Confluence  
Agile   Scrum

## EDUCATION

### Delhi Technological University, Delhi

#### Bachelor of Technology

Mathematics and Computing Engineering

2012 – 2016

## PASSION

 Learning new technologies

 Trying different cuisines