

Pankaj Arora

Software Developer

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Delhi

EXPERIENCE

ION Trading, Noida

Software Developer

July 2016 – Present

- **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](#)

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