

# Prakhar Jain

Software Engineer

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## PROFESSIONAL SUMMARY

- Over 3.5 + years of experience in software development life cycle – software analysis, system design, architecture, development and integration using Python, JavaScript, Java, AJAX, XML, CSS, and SQL in domains such as Pricing and HFT.
- Extensive experience working with front-end as well as back-end technologies on MVC Framework with an Agile development environment with Excellent understanding of Restful web Services and WebSocket's.

## EDUCATION

<b>Thakur College of Science and Commerce -</b> Bachelor of Science in Information Technology	06/2014 - 06/2017 GPA – 5.77/7
<b>Thakur Institute of Management Studies, Career Development and Research -</b> Master of Computer Application	06/2017 - 06/2020 GPA – 7.42/10

## TECHNICAL SKILLS

• Operating System	: CentOS (Linux), Rocky Linux, Windows
• Front End	: Sencha Ext JS, ReactJS, HTML and CSS
• Back End	: Java, JavaScript, Python, FastAPI, Shell Scripting, Pandas and Docker
• Database	: PostgreSQL, MySQL
• Tools	: TortoiseSVN, Git, Edgewall's Trac, JMeter

## WORK EXPERIENCE

### Python Developer

Dolat Capital Pvt Ltd 04/2022 - Present,

#### Achievements/Tasks

- Part of the RND team to understand the business logic and take action on designing a system for Binance Crypto trading with appropriate Data Structures Using Websockets and APIs.
- Collaborated with cross-functional teams to identify and address bottlenecks in the system, enhancing its low-latency capabilities that minimize the probability of hitting a price level at Binance Simulator.
- Single-handedly Developed an application with Binance Market APIs and websockets in python using pandas and JSON which manages and process large-scale market datasets to extract, Split, and Merge valuable insights and optimized it by 70%.
- Created bash and python scripts for Monitoring and Maintenance and created Fully automated testing environment using Python.
- Build and Implemented FastAPI with PostgreSQL as DB from scratch for Cost Calculation in each transaction made by Quant Analyst in BSE Market which made backend calls faster by 40%.
- Co-leading a team of 4 Developers with assigning and managing Binance market Simulator Project.

### Software Engineer

Vistaar Systems Pvt Ltd 06/2020 – 03/2022

#### Achievements/Tasks

- Collaborated on all stages of the systems development lifecycle, from requirements gathering to production releases of SmartQuote and PGS Solution in the Development Environment.
- Prepared technical documentations- HLD, LLD and Unit Test Plans.
- Perform Unit Testing, System Testing and Integration testing and bug fixes for efficient project delivery to the customer.
- Hands-on experience on working with the Single page User Interface for SmartQuote/PGS solution using Ext JS, Core JS, JSON and CSS from the scratch with MVC and MVVM architecture patterns.
- Design and Code for enhancements change requests and new Feature Requests from the clients.
- Worked on SmartQuote/ES solution backend development using Core JS, Entity Scripts, JSON and SQL.
- Created SQL views, materialized views, and Procedures as a part of database operations to perform CRUD operations on SmartQuote UI.

- Majorly contributed to the Development REST APIs in Core JS and Tested on JMETER to perform all the operations of the Existing Solution as a part of the ABB Empower Team
- Single-handedly developed Multilingual Support in the existing User Interface. Work directly under VP, Director and BA to design and Enhancement of the Entire Development and was highly appreciated for performing salient activities.
- Proactively participate in design and code reviews, and mentor junior developers.

## **Intern**

Vistaar Systems Pvt Ltd

01/2020 - 06/2020,

Project - Vistaar Automation Testing Framework

### **Achievements/Tasks**

- Collaborated with the Dev team and QA Director to spearhead the design and development of a robust keyword-driven automation framework utilizing Selenium Web driver and Java. significantly reduced manual testing efforts by 60% and improved test coverage by 40%.
- Analyzed test requirements and conducted automation feasibility studies to identify opportunities for implementing efficient automation solutions. Recommended and implemented automation tools and frameworks resulting in a 50% reduction in testing time and increased overall product quality.

## **CERTIFICATES**

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- Foundation Level Certificate in Software Testing from International Software Testing Qualification Board(ISTQB).
- Certification Of Participation in Zonal Round of NADC India in Unity Game Engine held by IIT Madras.
- Certificate of Participation in Building scalable systems using Docker organized by Scaler