

# RISHABH VERMA

## SOFTWARE DEVELOPMENT ENGINEER

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### CAREER SUMMARY

- \* **An Insightful, result-driven software engineer** with 2 years and 8 months of experience with writing code for complex projects and delivering software's with high reliability within deadline.
  - \* **An energizing, customer-focused professional** developing desktop and web applications using industry's best practices and maintaining high level of customer engagement to ensure successful project on all fronts.
  - \* **An unflappable problem solver** with experience leading all stages of software development life cycle, including analysing project requirement, development plan, designing, prototyping, developing, test, deploy, maintain and support.
  - \* **A software developer** with understanding of Object-Oriented Programming (OOPs), Object-Oriented Design.
  - \* **Hands-on experience** with Data Structures and Algorithms and using Test Driven Development (TDD).
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### EXPERIENCE

#### DELHI INTEGRATED MULTI MODAL TRANSIT SYSTEM LIMITED (DIMTS)

##### Software Development Engineer | New Delhi, India | February 2019 – Current

Automatic Fare Collection System and Electronic Ticketing Machine (ETM) - Delhi and Gurugram:

- \* Redesigned ETM Challan module resulting in ETM Movement more than once a day, thus **reduced ETM Movement cost by 30%**.
- \* Automated DMRC and DIMTS Reconciliation which **reduced recon time by 80%** and also eliminated manual effort.
- \* Reduced multiple team dependency for new DMRC SAM card integration with ETM's by creating a new web module.
- \* **Removed dependency** from Operations team by automating manual creation of Trips and Shifts while recovering data from ETM Machines.

#### APERTA LIMITED

##### Software Development Engineer | New Delhi, India | August 2016 – January 2019

Interface Utility:

- \* Revamped this application which interacts with Core banking system (CBS) and Cheque truncation system (CTS).
- \* **Reduced the time by 75%** to process 70,000 to 1, 00,000 instruments from 16+ seconds to less than 4 seconds by redesigning the algorithm.
- \* **Optimized to avoid rework** and handle exceptions gracefully. In case an exception is caught, we are not required to process the complete batch again.
- \* **Cut down an application and amalgamated its functionality** resulted in increased efficiency and reduced time.

Clearing House Master:

- \* This application keeps the CTS server's business rules and configuration files in sync with the RBI (Reserve Bank of India)/NPCI updates.

- \* **Reduced time by 30%** to extract required data and generating configuration files by **removing bottlenecks, redesigning algorithm** and using **optimal data structures**.
- \* **Added new functionality** to automatically send files to flailed IP addresses once they become available.

## DEFENCE RESEARCH AND DEVELOPMENT ORGANISATION

Junior Research Intern | New Delhi, India | 01, June 2015 – 31, July 2015

- \* Designed a virtual reality experiment to learn cognitive enhancement by navigation training in virtual environment.
- \* Results indicated that soldiers trained with survey perspective view of virtual reality environment performed at least **30% more accurate** than those with route perspective.

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## KEY SKILLS

* Java	* C# .Net	* Spring Framework	* OOP
* Spring Boot	* Angular JS (Beginner)	* RESTful API's	* JSP, HTML
* Maven	* JavaScript(Beginner)	* Node JS(Beginner)	* Oracle 11g

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## SOFT SKILLS

- \* Promotes excellent verbal and written skills.
- \* Creative, self-motivated and team player.
- \* Excellent analytical skills and problem-solving skills.
- \* Self-starter and quick learner.
- \* Open to learn new technologies.

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## EDUCATION

**BACHELOR OF TECHNOLOGY, Computer Science and Engineering**

**Sharda University, Greater Noida, Uttar Pradesh | 2012 – 2016**

- \* Bachelor of Technology in Computer Science Engineering GPA: 7.22 out of 10.

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## PROJECTS

- \* **Gesture IT (2016).** A gesture-based hardware control system. With this system we aim to allow the user to control a hardware device using natural gestures wirelessly. **Programmed in C language.**
- \* **Industrial training at Microsoft IT Academy (Feb 2015 – May 2015):** Coursework: .Net Framework, C#, MS-SQL, Windows Presentation Foundation (WPF), Windows Forms, ADO.Net, Windows Services (WCF Services).

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## INDEPENDENT COURSEWORK

- \* Independent Courses: Spring Framework, Spring Boot, JavaScript, Introduction to Python, Algorithms and Data Structures, Angular JS, REST API's, Test Driven Development.

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## OTHER DETAILS

- \* Experience with Version Control System such as GIT, TFS and Bitbucket.
- \* Experience with Continuous Integration using Jenkins, VSTS and build tools like Maven, NPM.
- \* Familiar with Python, AJAX, JSON and working in an agile environment.