

# Ajay Sharma

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## TECHNICAL SKILLS

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**Languages:** C/C++, C#, Objective-C, TypeScript, Java, Object Oriented Programming, SQL, HLD & LLD

**CourseWork:** Data Structures, Algorithms

**Others:** Git/GitHub, Debugging, Visual Studio, Perl & Python Scripting, Linux/Mac/iOS/Android/Windows

## EXPERIENCE

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### Software Engineer 2

June 2022 - August 2025

Microsoft R&D — Hubble, PowerPoint Web & PowerPoint Web

Noida, India

- Resolved over **17 bugs** in as a part of shield effort for ppt mobile majorly focused on shared code which consist of areas i.e., Accessibility & craft in Text, Thumbnail & selection of shapes using my previous experience from PPTO for both Android and iOS. Also, Actively taking on the work in shared code which is majorly platform independent.
- Contributed to enhancing **File Open Reliability** for large files on iOS and Android platforms, where the underlying service is entirely implemented in C++. Integrated a file corruption handling scenario—previously available in Win32 into the mobile file repair flow, resulting in a 3.267% increase in successful file openings across both platforms.
- Contributed into the Redefinition of iPad TTVR for file open scenarios. Also, contributed into the fast thumb crew where I was responsible to add the changes for the cloud bundle which will be then used into the mobile file open to reduce the file open time.
- On the PowerPoint Online team, I have developed browser-compatible features such as Change Shape, Local Hyperlink, Format Painter Multi Apply, Vertical Text Movement in Tables and Text Boxes, Text Fidelity, and Local Rendering of Underlines.
- Beyond feature development, I have consistently prioritized to improves code quality, performance, and reliability, and actively participates in design discussions and team collaborations. Also, I have served as an On-Call Engineer, efficiently resolving PPTO Live site issues and ensuring seamless user experiences across platforms.

### Software Engineer

November 2021 – May 2022

Teradata - InDB Analytics

Hyderabad, India

Worked with Indb Analytics team which is responsible to work on analytical functions which are used by Data Engineers/Scientists in Teradata's **Vantage Application**. In addition, I was part of the team that needs to do the R&D to add new analytical function or work on **Performance optimization** of existing data transformation / cleaning functions in the system.

- Worked on data transformation pipeline function called "Column Transformer" into the production.
- Added the multi-column support for one of the base functions available in Teradata vantage product. i.e., **OneHotEncoding Fit & Transform** this work item involved the designing and implementation of the complete feature.
- Worked on ship blockers for the **Vector Embeddings algorithm** after that did the support for 2 sprints and solved many crucial customer facing issue during that livesite.

### System Engineer

January 2020 – October 2021

Tata Consultancy Services - Data Prep/QA

Gujrat, India

Software Engineer – Equifax, India — October 2020 – December 2021 Project: Data Prep Environment & Tools: C++ / Perl Automation, Jenkins, GCP, GitHub, Postgres, Docker

I played a key role in the Data Prep project, which focused on secure file encryption and transfer from on-premises systems to GCP. His contributions included:

- Subsystem Integration: Designed and implemented a new subsystem, Baricade, positioned between setup and preformat stages to enhance the encryption and transfer pipeline.
- Custom Data Loader: Built a standalone system to ingest data from input files into a Postgres database without relying on external libraries.

- Automation Scripting: Developed AutoRelease.pl, a Perl script triggered via CRON to automate job releases within the system.
- Database Migration Support: Contributed to the transformation from Oracle to Postgres by crafting multiple UPSERT statements tailored to system requirements.
- Maintenance & Support: Provided ongoing support and implemented necessary code changes to resolve system issues.

## Engineering Application Developer

December 2018 – October 2019

*GreenLeaf Engineering Ltd.*

*Noida, India*

Worked on TechnoSoft Inc. CAD System i.e., AmeTank, AmPreva & AmePipeline. Tech Stack: CLisp, Aml, C++ & OpenGL

- Creating the Patch fixes for the issues that we see also unit testing is performed on that fix and documentation for the same is done.
- Worked on a feature Pipe rack Management Support which is then integrated into the AME-Pipeline system which is very sophisticated system that uses the points to build the drawing of entire support for the pipes inside AME products module.
- In AME Tank I added the weld map drawing feature and rolled that to the production users which improved the usability of the feature Weld Manager feature in AmeTank product.
- As part of Rilco parts effort I created the complete drawing and 3D modeling of 32 Rilco components which can be reused into any of the technosoft's product i.e., Ametank, AmePipeline & AmePreva.

## ACHIEVEMENTS

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- Received a **Artic Code Vault & Starstruck** batch on [GitHub](#).
- **JavaScript Certification** from [FreeCodeCamp.org](#).
- Got multiple certificate from [Hackerrank](#).
- **Coding Platform Handles** : [ajaysharma388](#) [ajaysharma388](#) (6 star @HackerRank).
- Solved **500+** Problems on Data Structures and Algorithms across various platforms.

## EDUCATION

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**Dr. APJ Abdul Kalam Technical University**

*B.Tech Computer Science & Engineering*

Lucknow, Uttar Pradesh

**August 2014 – July 2018**