

Aditya Jain

📞 9522180473

✉️ adityajain9819@gmail.com

🌐 linkedin.com/in/aditya-jain

Summary

Experienced Software Engineer with 1.7+ years of expertise in C, C++, SQL, OOP's, and Python, known for enhancing productivity, resolving critical issues, and driving collaborative success. Seeking to leverage my skills in a dynamic, results-driven organization.

Education

ITM Group Of Institute

Bachelor of Technology (**Information Technology**) (CGPA: 8.35)

08/2019 – 05/2023

Gwalior, M.P

Technical Skills

Skills: C/C++, Data Structures, Shell Scripting, Java, Python, GitHub, Criterion, GDB, Debugging and Troubleshooting, Pytest, Database Management

Databases: MySQL, PostgreSQL, TSDB

Operating System: Linux, Windows

Experience

Compass Systems

Software Engineer

Aug 2023 – Present

Noida, U.P.

- Spearheaded the development of a mission-critical back-end system, resulting in improvement in overall system performance.
- Collaborated with front-end developers to integrate user-facing elements using server-side logic, ensuring seamless end-to-end functionality.
- Designed and implemented scalable and efficient database structures, reducing 25% query response times.

Compass Systems

Associate Software Engineer

Feb 2023 – Aug 2023

Noida, U.P.

- Proficiently addressed and resolved software bugs.
- Created the technical document for Projects.

Projects

TSDB | C/C++, Multi-threading, Socket Programming, SQL

Feb 2023 - Present

- It is a **time-series data base**, where data store in memory mapped file in different-different time period. Here, from multiple data sources/servers, data are ingested to **TSDB**, and **TSDB** store all those data in compressed format(**Encoded**), so that if any user wants to see the data of the particular source/server, then by the **query**(through rest api call), user can see the data in dashboard.
- It is highly scalable which is a key feature for handling massive amounts of data that grow over the time.

Alert Engine | C/C++, Multi-threading, Socket Programming, SQL

Feb 2023 - Present

- Designed and implemented a robust **Alert Engine** as part of a **real-time monitoring system**, written in **C** and **C++**. The Alert Engine is responsible for generating and dispatching notifications based on predefined thresholds and events, ensuring timely awareness of critical system conditions.
- Collaborated with the database team to establish seamless integration with a **Time Series Database (TSDB)**, enabling efficient storage and retrieval of time-sensitive data.
- Developed a rule engine to define and evaluate alert conditions, allowing for flexible and customized alert configurations.

DependencyManager | C/C++

June 2024 - Sept 2024

- Automatically resolves version **conflicts** based on predefined rules or user preferences.
- Supports fetching dependencies from both **local** and **remote package repositories**.

Event Logging | C/C++

June 2024 - Sept 2024

- Designed and developed an **event logging tool** to enabling **real-time tracking** and analysis of application events.
- Leveraged event logs to diagnose and resolve critical production issues, **reducing system downtime by 40%**.
- Created detailed error logs and alerts to quickly identify and address bugs and performance bottlenecks.