

Rafeeqe Aazam Ansar

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Education

School of Technology, MANUU

B.Tech (Computer Science – 2015-2019)

Hyderabad, IN

Experience

RiskSpan India Pvt Ltd.

Software Engineer (June 2024 – Now)

Remote, IN

- Working with Backend team, collaborating with Modeling team, Client Success teams, Testing team and UI team to enhance and support core features of the Edge platform/Product.
- Supporting the enhancement request from client, implementing components of the Cashflow Engine, contributing to the Credit Model and in Prepay Model C++ Engine by backend perspective etc.
- Also work on troubleshoot and improve C++ backend performance by optimizing the codebase to ensure smooth cross-team delivery.
- Designing and building internal library support for AWS service's like S3, SQS, SES access from backend efficiently.

FactSet Research System India Inc.

Software Engineer-III (April 2023 – June 2024)

Hyderabad, IN

- Migrated the services from old *Linux* on-prem *RedHat-6* server to new *RedHat-7* server, and setup all the platform dependencies.
- Migrated the services from on-prem host to *cloud* host, replaced *http-based* services to *gRPC based* services and got the fast response time of the services.
- Designed new micro-services and hosted on Heroku.
- Redesign the *storage system* of the services from *on-prem storage system* to *cloud based storage system* for centralised and single point access of the data by all the services. Its decrease the cost of data saving by approx. 20%.
- Enhanced the services with *cloud native* support like *Lambda, S3, Event, Cloud Watch, EC2, SQS* etc.
- Designed the *library* for accessing the *AWS* in C++ using *AWS SDK*.
- Enhanced the services communications with proper Lima authentications for secure data flow.
- Contributed to many C++ internal library.

Quest Software.

Software Dev Engineer (April 2021 – April 2023)

Hyderabad, IN

- Implementation of *Data Intelligence Service (DIS)* based model to open in *Erwin Data Modeler (EDM)* environment, this feature increased the modelling speed of the DB's for clients.
- Designed *Enterprise Glossary* for *Erwin Mart Server* and *Erwin Data Modeler* to take the advantage of the Business Glossary catalogue, so client can apply on the any DB's model and can related the business-oriented terms and their specification.
- Designed *Statistical Portal cum Logger* to monitor the most used features of product by clients. This portal is used to know the statistics of product features so we can handle the features as per the statistics.
- Bug fixes and customer support.

Erwin India Pvt.

Software Engineer (Aug 2019 – April 2021)

Hyderabad, IN

- Designed *Incremental parsing framework* when *Visual Parser++* reached their limit to parsing the script, we just kept the existing *Visual Parser++* grammar as it is and linked the *ANTLR4* for parsing when *Visual Parser++* fails.
- Intersectional Implementation of SQL-Server and SQL-Azure DB's combinedly, we know the almost 70% syntax of SQL-Server and SQL-Azure is same, so just written single ANTLR4 grammar for 70% grammar and used for both DB's.
- Optimised the code for *Reverse Engineering Database* and got approx. 10% faster execution.
- Supported new Databases into Erwin Data Modeler like *MariaDB, MySQL, PostgreSQL* and *Azure Synapse*.

Skills

- C, C++ 11/14/17, Drogon C++ web framework, Python, JavaScript, AWS S3, AWS Lambda, AWS EC2, AWS SQS, AWS RDS etc.
- ANTLR4, Visual Parser++, Parser and Lexer Development, Grammar Development.
- MariaDB, MySQL, SQL Server, Azure Synapse, Snowflake, Oracle, PostgreSQL, MongoDB etc.
- Boost C++, Multithreading, STL, EChart.js, go.js
- OOP's, SOLID, SINGLETON, CI/CD, Microservices, HLD, Design etc.
- HTTP, gRPC, REST API, Unit Testing using gTest , GDB.
- GIT, GitHub, Postman, JIRA, Agile, Boost Build System, CMake , Conan Package Manager, VSCode, Cursor.
- Unix, Linux, Windows 10/11.
- Generative AI and prompt Engineering.

