

DEV LATHIYA

Hyderabad, India

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EDUCATION

Indian Institute of Technology (IIT) Jodhpur

Jodhpur, India

Bachelor of Technology, Computer Science and Engineering

July 2018 - May 2022

EXPERIENCE

Software Engineer @Microsoft

June 2022 - Present

Kusto Performance Testing - MultiCloud

- Configured an **ADF** pipeline to generate 18 billion records in Azure Data Lake Storage (**ADLS**) and ingest them into Azure Data Explorer (**Kusto**) using **Event Grid**
- Set up **Apache JMeter** to execute parallel queries on Azure Data Explorer (Kusto) and conducted thorough load testing to evaluate performance results
- Tech: **Scala**, Azure Data Factory (ADF), Azure Data Explorer (Kusto), Event Grid, Apache Jmeter

EUDB Migration - Privacy

- Ensured **GDPR compliance** for the internal reporting system of Privacy Management on Power BI
- Created an Azure Data Factory (ADF) pipeline to categorize data between Cosmos (ADLS for non-EU data) and Blueshift (ADLS for EU data) for Privacy customers
- Integrated the solution with **Power BI** for comprehensive analytics
- Tech: **CSharp**, **SQL**, Azure Data Factory, PowerBI

Sharepoint Site Oversharing Detection - Privacy

- Implemented the SharePoint site oversharing detection feature to detect Sensitive Information Types (SIT) in documents and generate audit records
- Developed functionality for sending actionable digest emails and implementing actions within those emails
- Added telemetry to monitor and track the performance of the oversharing detection feature

PROJECTS

High Performance Graph Analytics

Dec 2020 - May 2021

- Optimized and Implemented a hybrid PageRank calculation algorithm over optimizations as per STIC-D paper
- Achieved 12X speedup as compared to the standard STIC-D implementation. Tech: CUDA, OpenMP, Python

Chat App with Message Origin Tracing

Jan 2020 - July 2020

- Developed a cross-platform mobile chat application with end-to-end encryption and token-based auth
- Implemented message origin tracing. Tech: React-Native, JavaScript, MySQL, socket.IO, Python

SKILLS

Programming Languages

C, C++, Scala, CSharp, Python, CUDA, SQL

Libraries/Frameworks

.NET Core, Spark

Tools/Platforms/Databases

Git, Apache Jmeter, Postman, AWS, Azure, Linux, MySQL

ACHIEVEMENTS AND EXTRACURRICULARS

- Reached 4 star on Codechef with Highest rating of 1959 ([link](#))
- Among top 0.5% of 1M+ applicants for JEE 2018(*JEE Advance Rank: 2646; JEE Main Rank: 5214*)
- Secured *global ranks 161 in the Codechef October Challenge 2019 - Div 2*