Avi Bhardwaj

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Profile:

- Experienced software engineer adept in bringing forth expertise in design, development, testing and deployment of software systems.
- Have a detailed understanding of data analytics, business intelligence and database design.
- Proficient in designing scalable database solutions and backend architectures.
- Hands-on experience on Microsoft Azure for implementing end-to-end flows.
- Know about the Agile software development model.
- Equipped with comprehensive knowledge of data structures and algorithms and OOPS concepts.
- Able to self-manage during independent projects as well as collaborate as part of a productive team.

Technical Knowledge Purview:

- **Technologies:**
    - Microsoft Azure Synapse Analytics, Azure Data lake, Azure Data Factories
    - Microsoft SQL Server, SSIS, SSAS
    - Tableau, Power BI, SSAS, SSRS
    - GIT, Visual Studio, Office 365, Azure DevOps
- **Languages:**
    - SQL, U-SQL
    - C, C++
- **Skills:**
    - Backend data modelling and warehousing
    - Designing architectures end-to-end
    - Business intelligence and insights
    - Managing project and deliverables
    - Client interaction

Work Experience:

MAQ Software (Software Engineer 2)

Mar 2020 - Current

Microsoft Sales and Marketing Analytics:

- Collaborated closely with Microsoft analysts and experts to develop scalable and sustainable data models for providing insights to clients.
- Worked on Microsoft Azure technologies and designed the workflows.
- Integrated data from multiple sources like ADLA, ADLS, SQL Server, lists to create models. Final reporting was done using interactive Power BI visuals.
- Reduced the load time of reports by more than 50%.
- Got an opportunity to lead the team. Along with delivering the requirements, made sure that everyone in the team grows equally at a fast pace to increase overall throughput.

MAQ Software (Software Engineer 1)

Jul 2018 – Feb 2020

Microsoft Finance Operations:

- This project was with Microsoft focusing on finance data reporting which had to be delivered under tight deadlines.
- The project dealt with the backend processing of the data in SQL server and creating SSAS models on top for reporting.
- Had created ETL flows pull and process the data.
- Optimized the existing systems and broke them down into smaller ones to reduce the latency between up streams and final reports.
- My strong analytical and debugging skills helped me in smooth project delivery.

MAQ Software (Software Intern)

Jan 2018 – Jun 2018

Microsoft Sales and Marketing Analytics:

- Implemented and updated application modules under the direction of senior software engineers.
- Identified complex bugs in the existing systems and effectively addressed them.
- Performed automated testing of features routinely.

Accomplishments:

- Microsoft 70-761: Querying Data with Transact-SQL
- Microsoft 70-778: Analyzing and Visualizing Data with Microsoft Power BI
- Microsoft 70-762: Developing SQL Databases
- Microsoft 70-768: Developing SQL DataModels
- Microsoft AZ-203: Developing Solutions for Microsoft Azure
- Coursera Data Warehouse course by University of Colorado System

Education:

- B.Tech. in Computer Science, Thapar University, 2014-2018. CGPA: **8.53** (out of 10)
- Vijayvergiya Bal Vidyalaya, CBSE, 2013. Score: **84.8%**
- Brightlands School, ICSE, 2011. Score: **94.8%**

Personal competencies and hobbies:

- Wildlife photography
- Travelling enthusiast
- Music
- Badminton