MD Hosne Al Walid Shaiket

CONTACT INFORMATION

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PERSONAL WEBSITE https://walid-shaiket.github.io/

LINKEDIN https://bit.ly/3nPJSSj

PROFILE SUMMARY

- Data Analytics and Visualization Consultant at CGI Inc. with a Master of Science (M.Sc.) degree in Computer Science from the University of Manitoba, Winnipeg, Canada.
- Industry/Government experience in Data Analytics, Data Engineering, Business Intelligence, and Data Visualization.
- Knowledge of SQL/TSQL, ETL/ELT pipelines, Cloud data warehousing (Synapse, Redshift, Snowflake), Big data analytics, and visualization using Power BI and Tableau.
- Experience in system analysis using various methodologies like SDLC, Waterfall, AGILE, SCRUM, and in-depth understanding of Software Development Life Cycle (SDLC).
- Good communication, presentation, and organizational skills with proven expertise in relating effectively with clients, stakeholders, and other business consumers.

PROFESSIONAL EXPERIENCE

- **Consultant - Data Analytics and Visualization**   **(February 2022 – Present)**
  CGI Inc., Canada.
  Analytics and Emerging Digital Technologies Team.

  Job description: Using visualization and UX best practices in different situations along with developing reporting and visualization solutions utilizing Power BI, Tableau, Looker, QlikView, and other modern BI solutions; using advanced visualization features within Power BI: Power BI Embedded Analytics, composite models, Apps, Dashboards, Reports, and Tiles; Using Relational Database Management System (RDMS) and equivalent in a modern cloud environment, Azure Synapse, Snowflake, RedShift, and Oracle Cloud; consuming advanced analytic models and ML model services into Power BI Visualizations; Using DevOps, CI/CD environment with technologies and platforms such as Git, Jenkins, and Docker/Kubernetes.

  Selected projects with CGI Inc., Canada (February 2022 – Present):

  1. Building a data analytics solution using the Provincial Attachment System (PAS) data - Ministry of Health, Govt. of British Columbia, Canada. (Sep 2023 – Mar 2024).
     Role: Business Intelligence Developer
     Tools and Platforms: SQL, Power BI.

  2. Primary care division BI modernization (phase-2) - Ministry of Health, Govt. of British Columbia, Canada. (Mar 2023 – Sep 2023).
     Role: Data Developer (Data ingestion tool, ETL, and Power BI).
     Tools and Platforms: JavaScript, JSON Logic, Power BI.

  3. Converting the Business Objects (BO) into Business Intelligence reports using Power BI and Power BI report builder - One of the largest energy companies and natural gas producers in Canada (July 2022 to Feb 2023).
     Role: Business Intelligence Developer
     Tools and Platforms: Power BI, Power BI report builder, SSRS, Spotfire, Microsoft Power Automate.

4. Building an efficient data pipeline to migrate the on-prem data to the cloud and developing a test automation framework to support DevOps and data quality - A renowned Canadian security service (June 2022 to Aug 2022).
   Role: Data and DevOps Engineer.
   Tools and Platforms: Azure Cloud, Azure Data Lake, Azure Synapse, Azure DevOps.

5. Cloud-based solution for seamless data integration and analytics - A global retail company in British Columbia, Canada. (May 2022 July 2022).
   Role: Lead Data Engineer.
   Tools and Platforms: Azure Cloud, Snowflake, Apache Airflow, Informatica, Jenkins.

6. Modernization of Primary Care Division to leverage Business Intelligence for effective analytics - Ministry of Health, Govt. of British Columbia, Canada. (Feb 2022 – May 2022).
   Role: Health Data Analyst.

Please visit my Personal Website to get the details.

- **Business Intelligence Developer (June 2020 – February 2022) - 1 year 9 months.**
  Ministry of Health, Govt. of British Columbia, Victoria, BC, Canada.
  Health Sector Information, Analysis and Reporting Division (HSIAR).

  Job description: Writing complex SQL scripts; Building ETL pipelines; Scripting in R and Python for data cleaning and validation; Preparing business requirements for the stakeholders and end users; Data modeling; Data analysis and visualization in Power BI; Building the tabular model for analysis services; Designing OLAP cubes.

  Selected data analytics projects with the Government of British Columbia, Canada (June 2020 to February 2022):

  1. Daily reporting on COVID-19 cases throughout the province.
  2. Daily monitoring of COVID-19 sites.
  3. COVID-19 registration, appointment, and vaccination coverage.
  4. Analysis of patient experience in emergency departments.
  5. Analysis of surgical wait times data.
  6. Analysis of mental health and substance use services data.
  7. Analysis of patient-centered measurement data.
  8. Analysis of national health expenditures data.
  9. Analysis of virtual care physicians data.

  Please visit my Personal Website to get the details.

  Development Tools and Languages: SQL, DAX, Power Query (M), R, Power BI, Visual Studio, Tabular Editor, and SQL Server Management Studio.

- **Assistant Professor (April 2016 – August 2019) - 3 years 4 months.**
  Ahsanullah University of Science and Technology, Dhaka, Bangladesh.
  Department of Computer Science and Engineering.

- **Lecturer (October 2012 – April 2016) - 03 years 06 months.**
  Ahsanullah University of Science and Technology, Dhaka, Bangladesh.
  Department of Computer Science and Engineering.

- **Lecturer** (May 2011 – September 2012) - 01 year 04 months.
  Primeasia University, Dhaka, Bangladesh.
  Department of Computer Science and Engineering.

SKILLS
- **Programming Languages**: Android, C, C++, C-sharp, Data Analysis eXpressions (DAX), Power Query (M), PHP, Java, Java Script, Python, R, PL/SQL, T-SQL.

- **Tools (Data Analytics and Engineering)**: Azure DevOps, Apache Airflow, Informatica, Power BI, Power BI Report Builder, Tableau, R Shiny, SSRS, Spotfire.

- **Platforms**: Azure Cloud, Azure Synapse, Azure Data Factory, Azure SQL DB, Snowflake, Amazon Web Services (AWS), Microsoft Power Automate.

TRAINING AND CERTIFICATIONS

Below are the selected topics covered in the online training and courses:
Cloud data warehousing technologies (e.g., Snowflake), Advanced Analytics Using Snowflake, Azure Data Fundamentals, Data Engineering on Azure Data Lake Storage, AWS Solutions Architect Associate 2022: Compute and Data Analysis Services, Techniques for Big Data Analytics, Predictive Analytics, Azure Data Fundamentals: Data Analytics, etc.

Please visit my LinkedIn Profile or Personal Website to get the full list of online training and courses I have done on Data Engineering, Data Analytics, and Data Visualization .

EDUCATION
- **Master of Science (M.Sc.) in Computer Science** (Sep 2019 to Dec 2021)
  University of Manitoba, Winnipeg, Canada (**CGPA 4.2 out of 4.5**)
  Specialization: **Data Science, Business Intelligence, and Healthcare Analytics.**
  M.Sc. thesis link

- **Bachelor of Science (B.Sc.) in Computer Science** (Dec 2006 to Nov 2010)
  Islamic University of Technology (IUT), Dhaka. Bangladesh (**CGPA 3.89 out of 4.0**)
  Specialization: **Digital Image Processing, Machine Learning.**

AWARDS AND SCHOLARSHIPS
- University of Manitoba Graduate Fellowship (UMGF), 2019-2021.
- International Graduate Students Entrance Scholarship (IGSES), University of Manitoba, 2019.
- NSERC CREATE (VADA) Fellowship for educational purpose, 2019-2020.
- Organization of Islamic Cooperation (OIC) merit scholarship during undergraduate studies, 2007-2010.
- Dhaka education board merit scholarship based on Higher Secondary Certificate (HSC) exam result, 2006.

ACADEMIC RESEARCH PROJECTS:

Selected projects during my master's study at the University of Manitoba:

- COVID-19 disease tracking.
- In-situation 3D data visualization and interaction using a smart wearable ring.
- Chronic kidney disease classification from real-life clinical data.
- Visualizing interesting association rules from COVID-19 data sets.
- Custom selectable text widget for controlled text selection in mobile device.

Please visit my Personal Website to get the details.

Publications   **Published Journals: 08.**
Conference Proceedings: 02.
Please visit my Personal Website or Google Scholar Profile for the full list.