

Krzysztof Rogowski

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Professional Profile:

- 13+ years of expertise in Solution Architecture, Data Architecture, Analytics and Data Engineering;
- Focusing on Business Intelligence, Data Warehousing, Data Lake Warehouse and Analytics
- Skilled in Agile BI methodologies and proficient in Microsoft Azure ecosystem and cloud technologies
- Experienced with Azure, Databricks, PySpark, Synapse, Azure Data Factory, Azure Fabric + Power BI, SQL Server, Informatica, Cognos, and more
- Proficient in designing Solution Architecture, Data Architecture, defining Development Strategy, Test Strategy, Automated Deployment via DevOps and implementation of solution.
- Strong ability to gather and analyze business requirements, apply problem-solving skills, governance, security policies, understand technical profile and recommend a solution that fits within current tech stack and approach.
- Effective communicator and team player with a track record of successfully managing projects across various industries including Government, Telecommunication, Insurance, and Military sectors

Academic Profile:

Honors Bachelor of Computer Science with Software Engineering
University of Waterloo – Waterloo, Ontario

Employment Experience:

Role: Senior Data Architect / Senior Data Engineer

Term: 02/2014 to Present

Company: Int3grate Tech Inc

Location: Toronto, ON, Canada

- Consultant specializing in Azure MS BI Platform, Databricks, PySpark, Synapse, and Power BI Development, providing expertise to clients.
- Implemented Azure Storage with Databricks Delta Lake and Synapse SQL Pool, enabling efficient data management and ML capabilities.
- Developed Power BI reports on Azure, utilizing Sharepoint.com and SQL Server Services, while optimizing performance using DAX Studio and SQL Server Profiler.
- Conducted Proof of Concept (POC) for Synapse SQL Pool deployment, enhancing client data processing capabilities.
- Contributed as a consultant at an Energy advanced analytics company, focusing on energy usage management for large corporate and industrial clients through advanced analytics and forecasting.
- Utilized Microsoft BI Framework with ASP.NET, REST service, Entity Framework, and SSIS deployed on Azure Cloud, along with other technologies like Pentaho and MySQL.
- Provided consulting services to a Fashion social media company and a platform similar to

'Uber' for Massage and rehabilitation services.

Role: Senior Solution Designer / Senior Data Engineer

Term: 11/2022 to 04/2024, 04/2024 – **present**

Company: Ontario Gov

Location: Toronto, ON, Canada

- Buildout 1st project: Delta Warehouse following MS medallion Architecture with Azure ADF, Databricks, PBI. Delta Data Lakehouse, 200+ source tables from Oracle, many files, several marts for dedicated reporting. RLS for external users.
 - Buildout 2nd project: Dashboards/Reports following MS medallion Architecture on Lake with Azure Fabric and Power BI. ~60 source tables from Oracle, csv files, json files, several marts for dedicated reporting.
 - Project 1st: Consultant specializing in Azure MS BI Platform, Databricks, PySpark, Synapse, and Power BI Development, providing expertise and implement.
 - Project 2nd: Consultant different team specializing in Azure MS BI Platform, Fabric + Power BI Development, providing expertise and implement.
 - Migrate out of Informatica PowerCenter, PL/SQL, Cognos FM/ReportNet/ETL, Oracle to Azure.
 - Implemented Azure Storage with Databricks Delta Lake and Synapse SQL Pool, enabling efficient data management and ML capabilities.
 - Developed Power BI reports on Azure, Data Modeling, utilizing Sharepoint.com and SQL Server Services, while optimizing performance using DAX Studio and SQL Server Profiler.
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Role: Solution Designer / Development Lead

Term: 05/2021 to 11/2022

Company: Ministry of Education(EDU) – Community Services Cluster (CSC) - DDSB

Location: Toronto, ON, Canada & Remote

- Spearheaded the Housing and Homelessness Business Intelligence (HHBI) project, focusing on modernizing the analytics solution.
- Designed, developed, data modelling, and migrated solutions using Power BI, Sharepoint.com, and AzureDev Ops.
- Successfully conducted Proof of Concept (POC) migration to Azure, leveraging Azure Data Factory, Synapse, Serverless SQL Pool, Azure Blob storage, and Azure Analysts Services.
- Developed Power BI dashboards and data sets from various sources, resolved data related issues, data quality issues, employed Power Query, DAX, M, and composite models, data modeling.
- Implemented Power BI artifacts and workspaces for efficient report management and sharing.
- Proposed and executed Power BI report designs, including formatting, navigation, and JSON templates.
- Migrate out of Oracle, Cognos, Informatica Power Center to new MS BI Platform.
- Implemented Row Level Security (RLS) on Power BI reports to enhance data security.
- Configured automated deployment of Power BI artifacts and scheduled data refreshes.
- Designed complex Power Designer Models focusing on Star schema.
- Maintained Power BI reports, dashboards, and data sets, ensuring alignment with IT standards and requirements.
- Collaborated with business stakeholders to capture requirements and liaised with technical

teams to ensure their implementation.

- Facilitated regular meetings with business users, management, architecture, and IT teams to discuss requirements and ensure alignment.
- Coordinated deliverables with various technology teams, led solution design activities, and conducted knowledge transfer sessions.
- Created and maintained key knowledge transfer documents to facilitate onboarding of new team members.

Role: Data Consultant / Solution Designer / Data Engineer Lead

Term: 05/2019 to 03/2021

Company: Ministry of Education(EDU) – Community Services Cluster (CSC) - DDSB

Location: Toronto, ON, Canada & Remote

- Played pivotal roles in high-impact initiatives like PERL and the Gallery Hub, integrating external data sources into a unified catalog and modernizing reporting frameworks with Azure BI solutions and .NET-based architectures.
- Led the Housing and Homelessness Business Intelligence (HHBI) project, developing a Land Use advanced analytics solution using the Microsoft BI Stack.
- Designed, data modeled and developed solutions utilizing Power BI, Sharepoint.com, and SSIS for ETL processes. Optimized performance and built out a data issue resolution/data quality resolution approach based on newly established governance process.
- Managed the HHBI portal on Sharepoint/Sharepoint Online, ensuring WCAB AA compliance for internal and external users.
- Successfully completed solution design, development, and deployment, adhering to internal standards and requirements.
- Established stable code development and deployment processes using Team Foundation Server and later migrated to Microsoft Azure DevOps.
- Implemented complex row-level security using DAX/MDX/Roles within multi-dimensional and Power BI models.
- Collaborated with technology teams to migrate/integrate parts of the solution to Azure for a Hybrid cloud solution.
- Optimized SQL and MDX queries, as well as DAX queries, to improve performance.
- Provided guidance to business users and IT teams on various technical issues and solutions.
- Led development teams following SDLC processes, using a mix of Waterfall and Agile methodologies.
- Designed and built a custom querying solution using .NET framework, ASP.NET, MVC, and web services.
- Migrate out of Oracle, Cognos, Informatica Power Center.
- Created REST API solutions for Azure Analysis Services TAB cube data extraction.
- Produced technical design documents, solution designs, and detailed solution documents.
- Conducted knowledge transfer sessions and ensured documentation availability for new team members.
- Established CI/CD processes in Microsoft Azure DevOps for fast and accurate code deployment.
- Utilized PowerShell for Azure AAD queries and configuration.
- Managed Informatica updates and designed/implemented new Rest API interfaces for specialized use cases.

Role: Data Engineer Consultant

Term: 03/2019 to 05/2019

Company: CDIC

Location: Toronto, ON, Canada & Remote

- Contracted to temporarily bridge staffing gaps during the recruitment of two full-time positions.
- Provided support for a complex MS BI Analytics solution, managing code and tasks on DevOps while overseeing deployment scripts.
- Resolved ETL production issues related to large daily data feeds for the organization.
- Implemented fixes and additions to calculations, measures, and drill-through capabilities within existing Multidimensional cubes.

Role: Data Engineer Consultant / Solution Designer / Data Architect

Term: 04/2014 to 03/2019

Company: Ministry of Education(EDU) – Community Services Cluster (CSC) - DDSB

Location: Toronto, ON, Canada

- Played pivotal roles in high-impact initiatives like PERL and the Gallery Hub, integrating external data sources into a unified catalog and modernizing reporting frameworks with Azure BI solutions and .NET-based architectures. Designer and Data modeled solution.
- Actively ensured compliance with Go-ITS Standards by engaging with key teams on infrastructure, security, and privacy.
- Spearheaded the implementation of CI/CD processes in diverse environments, including Unix/Informatica/Oracle and TFS, streamlining code deployment and enhancing solution reliability.
- Led testing efforts encompassing Unit Testing, System Integration Testing (SIT), System Acceptance Testing (SAT), and User Acceptance Testing (UAT) to ensure robustness and user satisfaction.
- Guided stable code development and deployment processes, conducting reviews and providing mentorship to foster team growth.
- Collaborated closely with stakeholders across business, management, architecture, and IT teams to align solutions with requirements and objectives.
- Orchestrated solution design activities and implemented enhancements for ETL and Microsoft BI projects, optimizing query performance and efficiency.
- Produced high-quality technical documentation, including solution designs and architecture documents, to support project success and facilitate knowledge transfer.
- Established streamlined documentation processes and version control repositories in Sharepoint for effective project management and information sharing.

Role: Solution Designer/ Solution Architect / Development Lead

Term: 12/2009 to 02/2014

Company: CIBC - Wealth Management Technology

Location: Toronto, ON, Canada

- Led application design and development, overseeing high-level design, sub-component design, solution development, prototyping, and vendor technical solution management.
- Managed vendor development teams and ensured alignment with business expectations to

- deliver adaptable solutions meeting evolving business needs.
 - Designed technical infrastructure for applications, including databases, programming languages, utilities, and testing approaches.
 - Offered comprehensive knowledge of platforms and applications across various technologies to support business objectives.
 - Conducted analysis of project and technical risks to inform business recommendations.
 - Provided application solutions and contributed to vendor selection and evaluation processes.
 - Worked on Informatica/Cognos/Oracle Development and Migration projects.
 - Estimated project work effort, particularly in scenarios involving new technology without established guidelines.
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Role: Metadata Development Lead / Developer Analyst III / Senior Data Engineer

Term: 10/2006 to 11/2009

Company: *Telus*

Location: *Toronto, ON, Canada*

- Hand on experience at every level of application development in a variety of projects in the Data Warehouse primarily developing in: Informatica 8.1/8.6 and Oracle 9i.
- Performed role of subject matter expert on three critical systems; namely, the Marketing Data-mart, a reporting system for large customer and a security management system.
- Performed the lead architect role on large initiative aimed at transitioning the support of over 100 applications from a sunset Data Warehouse department to our department. Drove application transition plan, motivated and advised team members.
- Gained experience working on initiatives for Marketing, Finance, Internal administration & management and various reporting initiatives.

Technical Experience:

BI Suites: Power BI, Power BI Report Server, Databricks, SSAS, SSRS, Cognos 8, 10

ETL Tools: Databricks, Synapse, ADF, Fabric, PySpark, SSIS, Informatica PowerCenter 7-10, Pentaho, IDQ

Database: SQL Server 2012-2019, ORACLE 8i/9i/10g/11g/12c, DB2 (JDE E1), Azure Delta Lake, Azure Data Lake, Hadoop, Azure Storage

Languages: DAX, python, scala, MDM, Power Query, M, SQL, PL/SQL (DDL & DML), C#, Power Shell, Java, XML, JSP, HTML & ASP, YAML, BICEP

Other Tech: Azure, Azure DevOps, Azure B&D, GIT, DAX Studio, Tabular Editor, SQL Server Profiler, SQL Server Profiler, PBIDS, Sharepoint.com, Sharepoint, REST API, ASP.NET

Other Tools: Power Designer, MS Project, VSS, MS Office, Visual Studio 2015, 2017, 2019, MS Visio, ERWin, Data Quality