

Roman Klimenko

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I am a Principal Consultant with 20+ years of experience in software engineering and data platforms, specializing in Kimball-style dimensional data modeling and modern analytics architecture.

I help organizations design and implement cost-efficient, scalable analytics solutions using Databricks, dbt, and Power BI, with a strong focus on delivering reliable, well-modeled data that business users can trust.

I combine deep technical expertise with a consultative approach, advising customers on architecture, data modeling, and platform choices to reduce complexity, control costs, and accelerate analytics delivery.

Core Expertise

- **Dimensional Data Modeling (Kimball)**
Star schemas, fact and dimension design, SCDs, grain definition, business process modeling, analytics-friendly data structures.
- **Databricks**
Lakehouse architecture, Delta Lake, Spark SQL, performance optimization, and cost-efficient pipeline design.
- **dbt**
Analytics engineering, semantic modeling, testing, documentation, deployment patterns, modular model design.
- **Power BI**
Semantic models, DAX, performance tuning, enterprise reporting patterns, self-service analytics enablement.
- **Microsoft Fabric**
Platform architecture, cost considerations, integration with existing analytics stacks.

Certifications

- dbt Certified: dbt Developer
- Databricks Certified: Data Engineer Professional
- Microsoft Certified: Fabric Data Engineer Associate
- Microsoft Certified: Fabric Analytics Engineer Associate
- Microsoft Certified: Azure Administrator Associate

Noteworthy Projects

- I implemented a Data Quality metrics module to integrate MDM with the customer's infrastructure. This approach is used by multiple customers running their projects in Synapse Analytics, Fabric, and Databricks.
- Helped to migrate existing MDM implementation from SQL Server warehouse to Microsoft Fabric, which saved costs and maintenance efforts.

- Implemented translation of filtering expressions from MDM object model to Python expressions, which helped customers to connect MDM with their Databricks and Fabric instances to scale data processing – used in production by multiple customers.
- Designed architecture that helped to reduce processing costs for a customer by several times in Microsoft Fabric.
- Designed and implemented multiple frameworks, applications, and solutions for data management, personalization, and reporting.

Employment History

Principal Consultant | Backstage | 2025–present

- Advise customers on dimensional data modeling (Kimball) to design analytics-ready data models that support reliable reporting and decision-making.
- Design and propose efficient analytics architectures based on Databricks, dbt, and Power BI.
- Help customers translate business requirements into well-defined facts, dimensions, and semantic models.
- Act as a trusted advisor, balancing technical excellence with business value and long-term maintainability.

Data Architect | CluedIn | 2021–2025

As a Data Architect, I had a leading role on nearly twenty customer projects and I participated in over forty projects, where I helped my customers with the following tasks:

- Making good architectural decisions to integrate a Master Data Management (MDM) system with a customer's infrastructure, including Databricks, Microsoft Fabric, and Snowflake.
- Helped with data modeling, data organization, and data flow optimization to save costs and deliver the data users need.
- Technical implementation including creating pipelines, notebooks and SQL code.

I developed and maintained several Python packages that are used by many of my customers.

I led customer implementation projects and delivered master data management solutions. This involved working closely with customers, creating integrations with Python and C#, configuring and integrating services like Azure Data Factory (ADF), Azure Synapse Analytics, Microsoft Fabric and maintaining Azure Kubernetes Services (AKS) clusters.

I am the creator and was a single maintainer of the Python SDK package for CluedIn API <https://pypi.org/search/?q=cluedin>.

I also guided engineering teams and onboarded new team members.

Lead Software Developer | Sitecore | 2010–2021

I had a rewarding 11-year career at Sitecore, starting as a Software Developer and progressing to Senior Software Developer, ultimately becoming a Lead Software Developer. I worked across various teams on numerous high-impact projects where I:

- Led and mentored, and onboarded developers and development teams to deliver robust and scalable software solutions.

- Played key roles in designing and developing applications, ensuring high-quality code and adherence to best practices.
- Collaborated with cross-functional teams to drive project success and improve development processes.

Projects (the list is not exhaustive):

- [Sitecore Experience Platform \(XP\)](#) - Software Developer
- [Sitecore Experience Optimization](#) - Software Developer
- [Item Buckets](#) - Software Developer
- [Path Analyzer](#) - Software Developer
- [xConnect and xDB](#) - Senior Software Developer
- [Email Experience Manager \(EXM\)](#) - Lead Software Developer
- [Sitecore Connect for Content Hub](#) – Lead Software Developer

Software Developer in various companies | 1998–2020

My professional journey began in 1998, immediately after school. While my initial roles were not in software development, I always found ways to apply my programming and database skills. At first, I did C and C++ development to work with external devices. Then, I spent a few years working with Visual Basic 6.0 and Win32 API.

I worked for five years in a large bank, where I had a chance to work with large Sybase databases. At this time, I implemented automation using Borland Delphi and early versions of the .NET Framework (in 2002).

I spent years (now decades) working with relational and document databases while also developing backend and frontend applications in various frameworks and platforms.

Education

Dnepropetrovsk State Financial Academy | 1999–2004

Finance, bachelor + 1 year