

SERGEI POLIANSKII

Senior Data Engineer / Data Architect

sergei@sepl.se | +46 70 725 6399 | linkedin.com/in/sepo/

PROFESSIONAL SUMMARY

Senior Data Engineer with 10+ years of experience designing and implementing scalable, cloud-native data solutions. Specializing in modern data platforms such as Azure Databricks and Azure Fabric, with hands-on expertise in Lakehouse architecture, ETL/ELT pipelines, and data modeling (Kimball, Data Vault). Proven track record of enabling data-driven decision-making, improving performance, and automating data workflows across healthcare, public sector, and enterprise environments. Proficient in Python, SQL, and cloud-native architecture patterns, with a strong focus on automation, performance optimization, and business impact.

TECHNICAL SKILLS

Cloud & Data Platforms: Azure Cloud, Databricks, Azure Fabric, Azure Synapse

Languages & Tools: Claude Code, OpenAI Codex, Python, SQL, PySpark, Scala, Power BI, FastAPI, Pydantic, Git

Data Modeling: Kimball, Data Vault, Dimensional Modeling, Data Warehouse Design

CI/CD & DevOps: Azure DevOps, GitHub, Bitbucket

Other: Machine Learning model deployment, Performance Optimization, API development

PROFESSIONAL EXPERIENCE

August 2025 – Present | **Data Architect, ST1 Biogas, Stockholm, Sweden**

Leading the design and implementation of a greenfield, cloud-native data platform built on Microsoft Fabric, enabling scalable and governed data consumption across the organization.

- Defined the overall architecture of the data platform, including Lakehouse design, medallion architecture (bronze/silver/gold), and data product strategy
- Designed and implemented end-to-end data products, from ingestion to curated business-ready datasets
- Built and orchestrated scalable data pipelines using Fabric-native tools, ensuring reliability and performance
- Implemented CI/CD and DevOps processes using Git-based workflows
- Collaborated closely with stakeholders to translate business requirements into scalable technical solutions

November 2025 – Present | **Data Architect, Kommunal, Stockholm, Sweden**

Contributing to a greenfield Microsoft Fabric data platform initiative, focusing on data modeling, platform structure, and DevOps enablement.

- Designed and implemented scalable data models (Data Vault and dimensional models) to support reporting and analytics
- Developed and standardized modeling frameworks to ensure consistency and reusability across data domains
- Established and maintained CI/CD pipelines and DevOps practices, improving deployment reliability and development efficiency
- Worked closely with data engineers and business stakeholders to align data structures with analytical needs
- Supported the implementation of structured data layers and transformation logic within the Fabric ecosystem

November 2022 – Present | **Senior Data Engineer, Aleris AB, Stockholm, Sweden**

Leading private healthcare provider in the Nordics

- Serving as a Senior Data Engineer on the Azure Databricks-based data platform, focusing on developing high-quality, production-ready data products.
- Successfully migrated the data platform to a Lakehouse architecture, improving scalability, performance, and cost efficiency by unifying data storage and analytics layers.
- Designing and implementing data models using the Data Vault methodology to support critical business functions including insurance invoicing and operational revenue tracking.
- Building and orchestrating scalable ETL/ELT pipelines using Azure Databricks and SQL, ensuring clean and consistent data across systems.
- Collaborated with data scientists to build and deploy machine learning models, contributing to automation and predictive analytics initiatives.
- Managing CI/CD workflows using Bitbucket Pipelines, enabling seamless deployment and version control of data assets.

October 2020 - Nov 2022 | **Data Engineer, Praktikertjänst AB, Stockholm, Sweden**

The largest private healthcare provider in Sweden

- Led development of a new data warehouse on Azure Cloud, implementing Data Vault and Kimball modeling techniques for a healthcare organization with 8,000+ employees
- Designed and built automated ETL/ELT pipelines using Azure Databricks and Data Factory, processing 50+ data sources daily
- Established CI/CD processes for data warehouse development, reducing deployment errors and enabling weekly releases

- Engineered data modeling automation frameworks that cut development time for new data marts
- Implemented performance optimizations that reduced query execution times

November 2019 - September 2020 | **Data Engineer, PwC, Stockholm, Sweden**

Global consulting firm delivering assurance, tax, and advisory services

- Engineered data models and pipelines for financial services clients using Azure Data Factory, Azure SQL Database, and Azure Functions
- Implemented CI/CD pipelines for data solutions, enabling seamless deployment across development, testing, and production environments
- Created Power BI dashboards and reports connected to Azure data sources for executive-level analytics

March 2017 - September 2020 | **Data Engineer, Trafikförvaltningen, Stockholm, Sweden**

Public agency responsible for planning and operating Stockholm's public transport system

- Developed a big data solution for public transport using Azure cloud services to process real-time vehicle data
- Built data warehouse modules using Azure Databricks with Python and Scala, implementing ETL/ELT workflows for both batch and real-time processing
- Created SQL datamarts optimized for performance and ease of use by business analysts

September 2014 - February 2017 | **BI Consultant, Kentor AB, Stockholm, Sweden**

Consulting agency (multiple companies)

- Developed and maintained enterprise data warehouses using Microsoft BI stack (SSIS/SSRS/SSAS)
- Implemented data fraud detection modules
- Engineered master data management solutions using Microsoft Master Data Services
- Improved data models for traffic observations and sales analytics, enhancing business reporting capabilities
- Replaced legacy reporting solutions with modern Power BI dashboards, reducing report generation time by 75%

April 2011 – September 2014 | **Team Lead, National Satellite Company, Saint - Petersburg, Russia**

Russia's largest satellite TV provider

- Led a software development team of analysts, QA engineers, and developers in delivering core IT projects for a national satellite telecom operator.
- Implemented a corporate data warehouse using SQL Server and IBM Cognos TM1 to support financial and operational analytics.

- Managed key system integrations, including:
 - Inventory management with Microsoft Dynamics AX
 - Document scanning and OCR with Abbyy FlexiCapture for large volumes of customer contracts
- Planned and executed the OSS/BSS application roadmap and performed systems analysis for software and integration needs.

August 2008 – April 2011 | Database Developer, National Satellite Company, Saint - Petersburg, Russia

- Managed and administered over 10 SQL Server instances, including high-load OSS/BSS production systems.
- Developed and maintained 100+ reports using SQL Server Reporting Services (SSRS).
- Implemented ETL pipelines using SSIS, performed large-scale data migrations, and worked with log shipping and replication for high availability.
- Supported and optimized IBM Cognos TM1 models.

March 2007 – August 2008 | Web Developer, National Satellite Company, Saint - Petersburg, Russia

- Developed and maintained the company's intranet and external websites using ASP.NET.
- Installed and supported SharePoint Services 2003, MOSS 2007, and Microsoft Project Server.
- Handled installation and customization of Invision Power Board forums.

April 2004 – March 2007 | Freelance, Web Developer, Saint - Petersburg, Russia

- Delivered both front-end and back-end solutions for client projects using PHP, HTML, and CSS.
- Participated on-site in client engagements, contributing as a developer, technical analyst, and coder.
- Provided end-to-end support from coding and debugging to deployment and testing.

EDUCATION

1998 – 2004 | Bachelor of Mathematics, Saint - Petersburg State University

CERTIFICATIONS

- Microsoft Certified: Fabric Data Engineer
- Databricks Certified Data Engineer
- Certified Data Vault Data Modeler
- Microsoft Certified Professional
- Introduction to Programming Using Python
- MCSA: SQL Server 2012/2014