SERGEI POLIANSKII

SENIOR DATA ENGINEER | DATA ARCHITECT

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PROFESSIONAL SUMMARY

Highly effective and self-driven Senior Data Engineer with 10+ years of experience and expert-level knowledge of big data, cloud, and analytics platforms. Seeking to apply this expertise to optimize existing data solutions, drive structural improvements, and support business growth.

TECHNICAL SKILLS

Platforms	Microsoft Fabric, Azure Databricks, Azure (Data Factory, Synapse, SQL Database, Functions), SQL Server, Power BI
Architecture & Modeling	Lakehouse and Medallion Architecture, Data Vault, Dimensional Modeling (Kimball), Data Warehouse Design, Delta Lake, Unity Catalog
Languages & Frameworks	Python, SQL / T-SQL, PySpark, Scala, FastAPI, Pydantic
Engineering Practices	ETL/ELT, Data Governance, Performance Optimization, API Development, CI/CD, Git, Azure DevOps, GitHub, Bitbucket
AI	Microsoft Foundry, Generative AI, RAG, Claude Code, OpenAI Codex, AI-Assisted Engineering

PROFESSIONAL EXPERIENCE

ST1 BIOGAS

Stockholm, Sweden

DATA ARCHITECT

Aug 2025 – Present

Leading the delivery of a greenfield Microsoft Fabric data platform supporting analytics and AI applications.

- Define the Lakehouse and medallion architecture, with governed data products aligned to business needs
- Build end-to-end pipelines and curated datasets for reporting, analytics, and AI
- Develop AI applications on top of enterprise data to support business workflows and decision-making
- Apply AI-assisted engineering with Claude Code and OpenAI Codex to accelerate development, testing, and documentation
- Implement Git-based CI/CD workflows for reliable, repeatable deployments

KOMMUNAL

Stockholm, Sweden

DATA ARCHITECT

Nov 2025 – Jun 2026

Greenfield Microsoft Fabric data platform initiative, focused on data modeling, platform structure, and DevOps enablement.

- Designed and implemented scalable data models (Data Vault and dimensional) 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
- Implemented structured data layers and transformation logic within the Fabric ecosystem

ALERIS AB
Stockholm, Sweden

SENIOR DATA ENGINEER
Nov 2022 – Jan 2026

Leading private healthcare provider in the Nordics

- Developed high-quality, production-ready data products on the Azure Databricks data platform
- Migrated the data platform to a Lakehouse architecture, unifying storage and analytics layers to improve scalability, performance, and cost efficiency
- Designed and implemented Data Vault models for critical business functions, including insurance invoicing and operational revenue tracking
- Built and orchestrated scalable ETL/ELT pipelines with Azure Databricks and SQL, ensuring clean, consistent data across systems
- Collaborated with data scientists to build and deploy machine learning models for automation and predictive analytics
- Managed CI/CD workflows in Bitbucket Pipelines for deployment and version control of data assets

PRAKTIKERTJÄNST AB
Stockholm, Sweden

DATA ENGINEER
Oct 2020 – Nov 2022

The largest private healthcare provider in Sweden

- Led development of a new data warehouse on Azure, applying Data Vault and Kimball modeling for an organization with 8,000+ employees
- Designed and built automated ETL/ELT pipelines with Azure Databricks and Data Factory, processing 50+ data sources daily
- Established CI/CD 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

PwC
Stockholm, Sweden

DATA ENGINEER
Nov 2019 – Sep 2020

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 across development, test, and production environments
- Created Power BI dashboards and reports on Azure data sources for executive-level analytics

TRAFIKFÖRVALTNINGEN
Stockholm, Sweden

DATA ENGINEER
Mar 2017 – Sep 2020

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

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

KENTOR AB
Stockholm, Sweden

BI CONSULTANT
Sep 2014 – Feb 2017

IT consultancy – assignments for multiple clients

- Developed and maintained enterprise data warehouses on the Microsoft BI stack (SSIS, SSRS, SSAS)
- Implemented data fraud detection modules
- Engineered master data management solutions with Microsoft Master Data Services
- Improved data models for traffic observations and sales analytics, enhancing business reporting

- Replaced legacy reporting with Power BI dashboards, reducing report generation time by 75%

NATIONAL SATELLITE COMPANY Saint Petersburg, Russia

TEAM LEAD Apr 2011 – Sep 2014

Russia's largest satellite TV provider

- Led a development team of analysts, QA engineers, and developers delivering core IT projects for a national satellite telecom operator
- Implemented a corporate data warehouse with SQL Server and IBM Cognos TM1 for financial and operational analytics
- Managed key system integrations, including inventory management with Microsoft Dynamics AX and document scanning/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

DATABASE DEVELOPER Aug 2008 – Apr 2011

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

WEB DEVELOPER Mar 2007 – Aug 2008

- 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

FREELANCE Saint Petersburg, Russia

WEB DEVELOPER Apr 2004 – Mar 2007

- Delivered front-end and back-end solutions for client projects using PHP, HTML, and CSS, from development and debugging through testing and deployment

EDUCATION

Bachelor of Mathematics 1998 – 2004
Saint Petersburg State University

CERTIFICATIONS

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

LANGUAGES

Swedish | English | Russian