

# Nikodem Pietrzak

## Cloud Data Engineer



### Personal Info

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(+48) 600-824-132

**LinkedIn:**  
[www.linkedin.com/in/nikodem-pietrzak](https://www.linkedin.com/in/nikodem-pietrzak)

### Skills

- **AWS** (Architecture, Costs, Security, Serverless, Data, GenAI)
- **Python** (Data, PySpark, Pytest, OOP, FastAPI, Pydantic)
- **IaC** (CDK, CloudFormation, Terraform)
- **Dev** (Git, AzureDevOps / Gitlab, Docker)
- **Data** (SQL, NoSQL, Medalion Architectures, Datalakes, ETL, data visualizations)
- **English C1**

### Certificates

- AWS Data Engineer - Associate
- AWS Solution Architect - Associate
- AWS Developer - Associate
- Deloitte Digital - Data Visualization Lab

I specialize in cloud, data, and software development. Experienced in working in international teams in several different industries: consulting, banking, and marketing.  
In each place I try to see the business sense of solutions and learn from more accomplished specialists. I spend my spare time developing **ML** and **IoT** skills and sharing my knowledge on **LinkedIn**.

### Work Experience

2025.01 **Cloud Developer**  
• currently *Tameshi, Remote*

Part of small developers team responsible for **CloudIAM**, a cloud-native infrastructure and access management platform listed on AWS Marketplace.

- Built and enhanced backend features using **Python** and **FastAPI**, following a hexagonal architecture with a clear separation of domain logic and adapters
- Frequently optimized **API** endpoints and database repository methods to improve performance, scalability, and maintainability.
- Worked extensively with **AWS** services including **EC2**, **Lambda**, **ECS**, **Aurora**, **Step Functions**, and **SSM**.
- Used **Docker**, **Git**, and **GitLab** for development and version control within a collaborative core team.
- Contributed to infrastructure as code using **Terraform**, helping define and manage cloud resources in a consistent, versioned way.
- Regularly involved in debugging, issue resolution, and refining core domain logic in a production SaaS environment.

2023.10 **Cloud Data Engineer - Senior Associate**  
• 2024.12 *PwC, Cloud&Digital, Warsaw*

*KONE (One of the biggest manufacturers in the world)*

I worked as one of the core engineers on a enterprise-level **DML** (Data Movement Layer) project. The main objective was to replace **Mulesoft** integration software with **AWS** that will handle **3 million events per day**. The project consisted of more than **200 unique interfaces** organized into several key architectural patterns:

- API Design (**API Gateway**, **Lambda**, **FastAPI**, **Mangum**, **Pydantic**)
- Pub/Sub Architecture (**MSK(Kafka)**, **Firehose**, **Glue**, **S3**, **Athena**)
- Event-Driven Workflows (**EventBridge**)
- Orchestrations (**StepFunctions**)

My responsibilities:

- Implementing designed solutions using **IaC(CDK)**, **Python** and **AzureDevOps**
- Rely on best practices for security, logging and error handling using **CloudWatch**, **IAM**, **WAF**, **Secrets Manager**, **Parameter Store**, **VPC**, **SSO**
- Taking an active part in system design discussions
- Unit-Testing
- Supporting less-experienced members of my team
- Preparing and presenting demos in front of the client

More information about the project: <https://www.youtube.com/watch?v=LltYqnIKeXY>

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2023.10  
• 2024.12 **Cloud Data Engineer - Senior Associate**

*PwC, Cloud&Digital, Warsaw*

*One of the biggest part manufacturers in the USA*

Worked in a small, agile team focused on migrating legacy databases to **AWS** and implementing a **Medallion architecture** (bronze, silver, gold layers) for structured data processing and analytics.

- Developed and maintained **AWS Glue** jobs and **AWS DMS** tasks to automate data ingestion, transformation, and migration pipelines.
- Built data workflows using **Step Functions** to orchestrate end-to-end processes across **Glue, DMS, and S3**.
- Wrote transformation queries using **Athena** to cleanse and enrich data, aligning with target schema and analytics use cases.
- Recreated complex business logic from **Alteryx flows** into AWS-native equivalents, ensuring continuity and data accuracy during the migration.

2022.05  
• 2023.09 **Data Engineer**

*NatWest, Warsaw*

- Created and automated **ETL** processes using **AWS S3, EventBridge, Glue,** and **Athena** to extract, transform, and load data into **Tableau** dashboards.
- Developed **Python** based desktop **GUI** applications for efficient data integration and business process automation, connecting multiple data sources and automating diverse tasks.
- Utilized **Glue's ETL** capabilities to transform raw data into optimized **parquet** files, improving data querying performance in **Athena**.

Skills: Python, AWS, SQL, Tableau, Git

2021.05  
• 2022.04 **Junior Reporting Analyst**

*Cheil, Warsaw*

Skills: Python, SQL, Tableau, Jira.

2019.07  
• 2020.12 **Key User Managers Support**

*Bosch Polska, Warsaw*

### Education

2016.10  
• 2022.02 **Warsaw University of Technology, Warsaw**  
**BSc. Mechanical Engineering**  
*Spiecjalization: Computer support of engineering works.*