

Sergii Semenchuk

Data Engineer

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Objective

Seasoned Engineer with over 18 years of experience.
Extensive knowledge in ETL, DW, Data pipelines, and API processing.
Strong background in designing and developing data pipelines using Python, bash or ETL tools such as
Exceptional skills in optimizing queries, demonstrate proficiency in SQL.
Experienced in working with Docker containers to develop and deploy data pipelines.
Passionate about investigating and transforming data, my motivation and hardworking nature enable me
My expertise also encompasses migration from on-premises sources to the cloud.
Solid understanding of software development processes and information technologies, adept at working
Skilled in AWS web services, including Redshift, Snowflake, RDS, ECS, Lambda, S3 etc.
Active and enthusiastic personality, excellent problem-solving skills.
Possess a understanding of Agile methodology and its role in promoting iterative development, continuous
Confident in my ability to analyze and transform data effectively.

Skills

Bash	<div><div>3 years</div><div>7/10</div></div>	Matillion	<div><div>5 years</div><div>10/10</div></div>	Redshift	<div><div>5 years</div><div>8/10</div></div>
Docker	<div><div>3 years</div><div>8/10</div></div>	C#	<div><div>10 years</div><div>8/10</div></div>	Snowflake	<div><div>2 years</div><div>8/10</div></div>
SQL	<div><div>15 years</div><div>10/10</div></div>	Nodejs	<div><div>1 year</div><div>5/10</div></div>	Postgresql	<div><div>4 years</div><div>8/10</div></div>
Python	<div><div>3 years</div><div>7/10</div></div>	Data Modeling	<div><div>10 years</div><div>8/10</div></div>	MS SQL	<div><div>10 years</div><div>8/10</div></div>
AWS	<div><div>5 years</div><div>8/10</div></div>	Query Optimization	<div><div>10 years</div><div>8/10</div></div>	SAS	<div><div>3 years</div><div>6/10</div></div>

Experience

IT developer - Productivity and Project Applicationta Engineer

Mott MacDonald / August 2023 - Present

Environment: Azure, AKS, Terraform, Go lang, Docker, Linux, Bash

- Platform engineering project Moata workspaces
- Developing authorization operator
- Developing github actions to deploy applications such as Plotly/dash, Streamlit, R shiny, .NET, P
- Using Flux CD for deployments

Data Engineer

LvivSoft / February 2018 - August 2023

Environment: AWS, MS SQL Server, Redshift, Docker, Linux, Bash, Python, Matillion

- Containerized scalable ETL processing using python and bash
- Proficiency with Matillion ETL for Redshift. 100+ jobs running on prod environment
- RDS migration from on-premises servers to RDS. Ported 100+ SQL Server Agent jobs to ETL container
- Containerized ETL processed on EC2 using Matillion as orchestrator or in AWS ECS using AWS Event
- Loading data from various sources to Redshift, RDS, Elastic Search
- Migration Matillion ETL jobs to containerized approach
- Training team on Git, GitFlow, DB Schema Migrations, Docker, & SDLC
- Training team on moving from Windows to Linux development environment
- Creating and maintaining `team-handbook` repo with necessary documentation SDLC, CI/CD

C# Full Stack developer

Kapsnet BV / October 2009 - February 2018

Environment: C#, MS SQL Server, T-SQL, ASP MVC 3

- Design DB structure for commerce solution
- Develop and support about 150 sites
- Exchanging data between websites and suppliers
- UI development html/css/jquery
- Backend development ASP MVC3
- Support for various payment systems
- Maintain and support multiple DB servers
- Optimizing queries
- Custom CI/CD pipelines
- Using ORM (NHibernate, BLookit, Entity Framework)
- Database migrations

BI developer, Team Lead

Conscensia Ukraine / February 2007 – October 2009

Environment: SAS 9.1.3, DI Studio, Enterprise Guide, SAS Web Report Studio, SAS Portal, Flex Builder 3.0

- Data Warehouse for one of the Danish bank
- Develop logical and physical models
- Models implementation using SAS environment
- Reporting OLAP cubes
- Dashboards using Flex and SAS Web services
- ETL using data staging approach
- Slowly changed dimension type 1 and type 2
- Load data from various data sources (DB2, SQL server etc.)
- Manage team of 6 people on agile environment

Head of IT department / Data Engineer

Lviv State Tax Administration / May 2003 – February 2007

Environment: Oracle 9i, PL/SQL, Oracle HTTP Server (Apache Web Server), SQL Navigator, PHP, Borland Delphi 5

- Maintain database server
- Capacity planning
- Performance auditing
- Backup planning
- Develop custom reports
- Develop web applications for calculate tax rates
- CORBA-based applications support for payers calculation
- Exchanging data in organization hierarchy
- Manage team from 3 peoples

Education

Ivan Franko National University of Lviv, Ukraine.
Department of applied mathematics and informatics
09.1998 – 06.2003

SAS Institute, Denmark
Aalborg, Denmark
02.2007–05.2007
SAS Base programmer, SAS advanced programmer courses with certification.

Tools

git, github, bitbucket, vs code, dbeaver, datagrip, ssms, jira, confluence, tempo, visual studio, s