

# Semenchuk Sergii

## Data Engineer

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## Objective

Seasoned Engineer (15+ years) with ETL, Data & API Experience

Experience with AWS web services such as ECS, ECR, RDS, Event Bridge, Redshift, EFS, Lambda, S3

Good analytical skills

Passion to investigate and transform data

Solid understanding of software development process and information technologies

Highly motivated, hardworking person, who eager to learn

Active, enthusiastic, good problem solving skills, responsible

Skillful in working independently or in collaboration with team

## Skills

Bash	3 years7/10	Matillion	5 years10/10
Docker	3 years8/10	C#	10 years8/10
SQL	15 years10/10	Nodejs	1 years5/10
Python	3 years7/10	Data Modeling	10 years8/10
AWS	5 years8/10	Query Optimization	10 years8/10

## Experience

### Data Engineer

LvivSoft / February 2018 – Present

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

- Containerized scalable ETL processing
- RDS migration from on-premises servers to RDS. Ported 100+ SQL Server Agent jobs to ETL containers

- Containerized ETL processed on EC2 using Matillion as orchestrator or in AWS ECS using AWS Event Bridge
- 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 ecommerce 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, BLoollkit, 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 cudbes
- Dashboards using Flex and SAS Web services
- ETL using data staging approach
- Sslowly 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

**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.