

# Ilja Umov

Data Engineer

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## SUMMARY

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Software development in data & analytics projects, including handling of the associated aspects like builds, deployments and cloud infrastructure.

## SKILLS

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- Python, Java, SQL, Snowflake
- Airflow, dbt, Looker
- AWS, Terraform, Docker, Kubernetes

## EXPERIENCE

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**Data Engineer**, Concise Systems; *Tallinn, Estonia* ..... *May 2021 - May 2023*

Data warehouse development for a client organization

- Analyzed data and created data models using dbt
- Implemented ETL workflows to extract data from different systems
- Created continuous integration setup for data projects
- Researched, advocated for, and implemented various data platform improvements
- Assisted other teams with using data platform components

Tech stack: Python, SQL, Snowflake; Airflow, dbt, Looker; AWS, Terraform, Docker, Kubernetes

**Data Engineer**, STACC; *Tartu, Estonia* ..... *Oct 2020 - Apr 2021*

Engineering work as part of machine learning projects

- Handled DevOps and integration parts of the projects
- Created Docker images for builds, local development and production deployments
- Set up AWS infrastructure using Terraform
- Configured CI/CD pipelines for builds, automated testing and deployments

Tech stack: AWS, Terraform, Python, conda, Airflow, Docker, make, Bash, Bitbucket Pipelines

**Data Engineer**, IPF Digital; *Tallinn, Estonia* ..... *May 2018 - Sep 2020*

Python and SQL development in data warehouse team

- Designed and implemented service for internal credit scoring and performed related data analysis
- Extended functionality of internal data processing and synchronization framework
- Implemented multiple ETL pipelines, starting from gathering requirements to production monitoring
- Started multiple experimental projects: data copying tool to transfer customer data between different databases, credit scoring calculation service in Kotlin, Python bindings for of MySQL Workbench parser

Tech stack: Python, Flask, OpenAPI, MySQL, Java, Kotlin, Vert.x, Docker

**Software Developer**, Versobank; *Tallinn, Estonia* ..... *Jun 2017 - May 2018*

Banking system development, implementing reports using Python and Oracle PL/SQL

- Implemented services for digitally signing bank orders and PDF generation
- Created PyCharm plugin for custom template language

Tech stack: Python, Oracle PL/SQL, Java, Vert.x, reportlab

**Software Developer**, Tieto; *Tallinn, Estonia* ..... *Jun 2016 - Apr 2017*

**QA Engineer**, Knowit; *Tallinn, Estonia* ..... *Nov 2014 - Jun 2016*

## EDUCATION

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Tallinn University of Technology  
BSc Computer Science

2016

## LANGUAGES

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English ●●●●●●  
Estonian ●●●●●●  
Russian ●●●●●●