

# Silviu Lorent

[silviu@lorent.ro](mailto:silviu@lorent.ro) | [linkedin.com/in/silviu-lorent](https://linkedin.com/in/silviu-lorent) | [github.com/smilorent](https://github.com/smilorent)

## EXPERIENCE

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### Data Engineer

*IBM Consulting*

Jul. 2021 – Sep. 2023

*Bucharest, Romania*

**Highlight:** Led a team that won the local IBM watsonx Challenge in Aug. 2023 with a *GenAI (Generative AI)* centered *customer service* solution using **Python**, **ChromaDB** and *prompt engineering* techniques, achieving ROUGE-1 and ROUGE-L F1-scores  $\geq 0.7$  in evaluation against a reference set of questions and answers.

- Designed and implemented *ETL (Extract, Transform, Load)* data pipelines using **Informatica PowerCenter**.
- Collaborated on modularizing *IaC (Infrastructure as Code)* in **HCL** orchestrated by **HashiCorp Terraform**.
- Engineered solutions to improve developer *QoL (Quality of Life)* using **Python** and **Jupyter Notebook**.
- Supported the *server migration* of applications by automating checks and transfers using **GNU Bash**.
- Created *technical documentation*, including templates, in the **Confluence** platform using **Markdown**.

## EDUCATION

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### Bachelor's Degree, Systems Engineering

*Technical University of Civil Engineering Bucharest*

Oct. 2017 – Jul. 2021

*Bucharest, Romania*

**Highlight:** Graduated as valedictorian of the Class of 2021.

- Majored in *Applied Computer Science* (240 ECTS)
- Minored in *Discipline-Specific Pedagogy*, 1<sup>st</sup> Level (30 ECTS)

## TECHNICAL SKILLS

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**General-Purpose:** Python

**Domain-Specific:** ANSI SQL, GNU Bash

**Structure and Styling:**  $\LaTeX$ , Markdown

## COMMUNICATION SKILLS

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**Romanian:** native

**English:** CEFR C2 (listening, reading, speaking, writing)

**Spanish:** CEFR B1 (reading), A2 (listening, speaking, writing)