

# Mircea Ilie Ploscaru

## Fullstack Dev | Data Engineer

Seasoned Full-Stack Developer and Data Engineer with 5+ years of experience in scalable data pipelines, BI solutions, and AI applications. Co-founded a BI department, automated workflows, and optimized ML models. Eager to drive high-impact projects.



### Northern Data AG

Full-Stack Dev. / B.I. Analyst / Data Engineer | Dec. 2021 - Aug. 2025

- co-founded Business Intelligence department
- **PowerBI** and **Grafana** front-ends, **PostgreSQL**, **Snowflake**, **InfluxDB** and **Python** tech-stack in the back-end — all on top of the **MS Azure** platform
- automated data gathering via **API data ingestion** and Web data scraping and crawling
- built **ETL pipelines** and diverse Data Products with Python, **NumPy**, **Pandas** and **SQL**
- created **APIs** for internal usage with **FastAPI**, optimized for data integration for Excel users

### SINETCON GmbH

IT Support | Nov. 2020 - Nov. 2021

- 3rd level IT support in the financial sector, lead small team in a Hardware rollout

### INSTITUTE FOR BEE RESEARCH FRANKFURT

Data Scientist (freelance) | May 2020 - Aug. 2020 and July 2021 - Sept. 2021

- developed a **Keras / TensorFlow** training and a **Numpy / Scikit-Learn** data processing pipeline
- developed an **AI / Computer Vision** solution to detect small objects
- **optimized** solution to run on an embedded system (RaspberryPi 4 + TPU Accelerator)
- resulting product halved repetitive domain task times with accuracy matching past methods

### CLOUDFLIGHT

Software Engineer | Sept. 2019 - March 2020

- worked on an AI project involving object detection, utilizing **Tensorflow / Keras**
- the App part of the project involved fullstack development using **HTML / CSS / jQuery** for the front-end and **Python Flask** with an **ORM** to a **MySQL DB** in the backend

### CONSIST SOFTWARE SOLUTIONS GMBH

Intern | Jan. 2019 - Aug. 2020

- introduced a **Jenkins** CI/CD pipeline which helped with reproducibility and testing before systems and new features were pushed to production environments
- integrated **Splunk** solutions and dashboards on top of **VMWare VSphere**

### GOETHE UNIVERSITY FRANKFURT

Computer Science Bachelor | 2018 - 2024

#### Spoken Languages:

Romanian (native), German (fluent), English (fluent), French (basics)

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WORK EXPERIENCE

EDUCATION