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. MacOS and Arch Linux user btw.

WORK EXPERIENCE

Northern Data AG
Full-Stack Dev. / B.I. Analyst / Data Engineer | Dec. 2021 - Now

- 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

EDUCATION

GOETHE UNIVERSITY FRANKFURT
Computer Science Bachelor | 2018 - 2024

Spoken Languages:

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

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