



Andrea Hrelja

CONTACT INFORMATION

Email: andhrelja@hotmail.com GitHub: [github/andhrelja](https://github.com/andhrelja) LinkedIn: [linkedin/andhrelja](https://www.linkedin.com/in/andhrelja)

ABOUT ME

IT enthusiast coming from Istra county in Croatia. During my 4 years of professional experience as a Data Engineer, I have worked with various production systems and clients, as a team member and as a one-man band. I am a positive, detail-oriented, productive individual with a can-do attitude, ready to start working on that new project.

PROFESSIONAL EXPERIENCE

Cloud Infrastructure, Kern AI

Cloud Engineer

11/2023 – Present

Migrate Digital Ocean deployed production system to Azure Kubernetes Service

- Designed a system migration plan (on-prem and Digital Ocean to Azure Kubernetes Service) with the team
- Developed a CI/CD pipeline using OpenTofu, GitHub Actions and Kubernetes
- Consolidated environment-specific infrastructure stacks into a single OpenTofu stack, orchestrated by GitHub Actions

SDLC: Strategy, Design, Development, Testing, Maintenance

Banking Industry, iOLAP

DataOps Engineer

12/2021 – 11/2023

Build a CI/CD system to streamline DW development on Snowflake for multiple teams in the organization

- Developed a version controlled SQL CI/CD solution designed by a System Architect using Python, AWS and Snowflake technologies (CodeBuild, GitHub (Actions), Flyway, custom Python packages)
- A colleague DevOps Engineer and I developed the CI/CD from scratch, collaborating with the client and the solution users (multiple SQL development teams) in a "Startup" fashion
- Directly communicated with the client and was involved in business decisions (discovery, requirements, strategy)

SDLC: Strategy, Design, Development, Testing, Maintenance

Hospitality Industry, iOLAP

Data Engineer

07/2021 – 10/2021

Build a Data Warehouse (ELT + DW)

- Developed an ETL solution designed by a System Architect using Python and AWS technologies (DynamoDB, Glue, Lake Formation, Lambda, Redshift, dbt)
- Collaborated with the System Architect to design the system and a DevOps Engineer to design the AWS infrastructure
- Not included in business decisions or client communication, my focus was delivering a reliable ELT system

SDLC: Design, Development, Testing

Oil & Gas Industry, iOLAP

BI Developer

03/2020 – 06/2021

Support and Enhance an existing infrastructure

- Collaborated on supporting and enhanceing enterprise ETL solutions using Oracle and other technologies (Oracle ODI, Oracle WebLogic, Tibco Data Virtualization, Spotfire BI)
- Working with an enterprise production system and a well-structured Azure Boards, I transitioned into a Mid Data Engineer
- Included in analyses that impact business decisions, mostly in the discovery phases where I would elaborate effects of proposed solutions to the client

SDLC: Design, Development, Testing, Maintenance

Banking Industry, iOLAP

SQL Developer

08/2019 – 02/2020

Build a Data Warehouse (DW only)

- Collaborated on a DW development using pure SQL on on-prem servers
- Created automated Python tests
- Not included in business decisions or client communication

SDLC: Development, Testing

**PUBLISHED
WORKS**

Prediction of COVID-19 tweeting: classification based on graph neural networks, M. Petrović, A. Hrelja, A. Meštrović, DOI: 10.23919/MIPRO55190.2022.9803426

**PROGRAMMING
EXPERIENCE**

Languages: Python, SQL (any), Bash, JavaScript, L^AT_EX
Other Technologies: Oracle, AWS, Snowflake, GitHub Actions, Django, dbt, Flyway...

EDUCATION

Faculty of Informatics and Digital Technologies, University of Rijeka

Master's degree, Computer Engineering

10/2020 – 12/2022

Master's thesis: **Information Spread Analysis on Twitter**

LANGUAGES

Croatian: First language (L1)
English: C1
Italian: A2