Damjan Babic

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Education:

BSc in Marine Engineering, Faculty of Maritime Studies, Rijeka (2019)
Courses included maritime systems design, technical drawing, maritime regulations, and advanced mathematics. Developed strong analytical skills and a comprehensive understanding of marine engineering principles.

Work Experience:

Data Engineer, Youth Information Center Rijeka - UMKI (2019-2023)

- Developed a data management system using AWS.
- Managed the project from conception to deployment, securing over € 200k in NGO funding.

Freelance Data Engineer and Machine Learning Engineer (2015-2018)

- Specialized in financial analysis using FinBERT for sentiment analysis.
- Utilized TensorFlow, PyTorch, and Scikit-Learn for market trend prediction.
- Specialized in financial analysis using FinBERT for sentiment analysis.

Business Analyst, Weber Escal d.o.o (2013-2015)

- Led analysis projects using Excel (pivot tables, VLOOKUP).
- Identified process inefficiencies, boosting operational efficiency by 20%.

Coordinator of Advertising Material Distribution, Weber Escal d.o.o (2012-2013)

- Gained experience in logistics and distribution.

Technical Skills:

- **Software Development:** Proficient in CLEAN architecture; skilled in React, Svelte, Node.js, FastAPI, Flask, Docker, Kubernetes.

- **Data Engineering:** Expertise in data lifecycle (collection, storage, cleaning, transformation, analysis) with tools like Amazon Kinesis, MongoDB, pandas,PostgreSQL, AWS Lambda.

- **Collaborative Tools:** Proficient in Git, Jira, GitHub Boards.

- **Cloud Services:** Proficient in AWS for data infrastructure.

- **Data Analysis and Visualization:** Skilled in Tableau, PowerBI, D3.js, MS Excel (pivot tables, VLOOKUP).

- **Machine Learning:** Experience with scikit-learn, TensorFlow, PyTorch; specialized in FinBERT for financial sentiment analysis.

Projects:

OpenAQ Project: Set up an ETL pipeline for gathering data from OpenAQ API
Performed EDA on the extracted data, investigating daily and seasonal trends
Full documentation available on **https://haloeddepth.github.io**

Professional Skills:

- **Agile Methodologies:** Proficient in SCRUM.

- **Leadership:** Lead open-source community Project Huda; lead vision and execution of data analysis app.

- **Project Management:** Comprehensive experience from conceptualization to deployment, especially in data management.

- **Analytical Skills:** Strong analysis projects and financial analysis capabilities for actionable insights.

Project Huda Leadership:

- Initiated and led Project Huda, an open-source community of over 70 members.
- Designed operational framework for collaborative innovation.

Data Analysis App Product Owner:

- Steer vision and execution of a data analysis app in development.
- Work closely with the community to define features, prioritize tasks, and guide development.
- For more details, visit https://projecthuda.github.io/.

Certifications

Data Analysis Certificate, Iolap (2021)
Areas covered include advanced data modeling techniques, statistical analysis, and specialized software such as AWS (EC2, S3, RDS, Lambda)

Language Proficiency: **English:** Fluent, **Croatian:** Native, **Arabic (MSA):** Basic