

# Melissa Merve Abdula

abdulamelissamerve@gmail.com | +40756220057 | Constanta, Romania | [LinkedIn](#)

---

## WORK EXPERIENCE

---

### Ovidius University of Constanta

Databases Laboratory Assistant

Feb. 2025 – Present

Constanta, Romania

- Support students during database lab sessions by providing guidance on PostgreSQL, Oracle, and Microsoft Access.
- Design hands-on exercises focused on SQL, relational modeling, and database optimization techniques.
- Promote good coding practices and critical thinking in database design and implementation for computer science students.

### Admin Tools SRL

Full-Stack Developer

Jul. 2021 – Present

Constanta, Romania

- Design and develop complete software solutions including frontend, backend, and database architecture for clients across multiple industries.
- Handle the entire software development lifecycle from initial planning to deployment and maintenance with a focus on secure, scalable applications.

#### • Main Projects:

#### ○ Document Management System (Legal Industry)

Nov. 2021 – Oct. 2022

Full-Stack Developer

Remote

- Developed document management system using TypeScript, NestJS, PostgreSQL, React, and Docker.
- Implemented secure document storage, retrieval, and version control with user authentication.
- Integrated RabbitMQ for asynchronous document processing and notification system.

#### ○ Video Transcription System

Nov. 2022 – Oct. 2023

Full-Stack Developer

Remote

- Built backend processing using Rust for high-performance video handling.
- Developed frontend with Elm, focusing on type safety and error prevention.
- Implemented client-side validation and API integration for real-time updates.

#### ○ Kubernetes Application Platform

Nov. 2023 – Present

Full-Stack Developer

Constanta, Romania

- Developed cloud-native platform for Kubernetes deployment using TypeScript, React, and tRPC.
- Created template-based system with resource management and custom configurations.
- Integrated Stripe for subscriptions and NATS for real-time application monitoring.
- Implemented domain management with flexible access controls for exposed applications.

## EDUCATION

---

### Ovidius University of Constanta

Master's Degree, Cyber Security and Machine Learning

Jun, 2023

Constanta, Romania

- **Final Exam:** 10/10
- **Thesis:** Development of a multilayer web application with frontend, backend and PostgreSQL database, focused on application and database security

### Ovidius University of Constanta

Bachelor's Degree, Computer Science

Jun, 2021

Constanta, Romania

- **Final Exam:** 9.40/10
- **Thesis:** Development of a 3D virtual assistant for guiding physical exercises, involving modeling, animation and full programming

## SKILLS & INTERESTS

---

- **Backend Development:** TypeScript, JavaScript, Python, Rust, Node.js, NestJS, ExpressJS, RabbitMQ, Kafka, Flink
- **Database Technologies:** PostgreSQL, Oracle, Microsoft Access, TimescaleDB, MongoDB, Firebase, Supabase
- **Frontend Development:** React, Next.js, Vue.js, ELM, React Native, Tailwind CSS
- **DevOps & Tools:** Docker, Git, CI/CD Pipelines, Cypress (testing)
- **Languages:** Romanian (native), English (fluent), Turkish (fluent)
- **Interests:** 3D Modeling with Blender, Game Development with Godot Engine, Continuous Learning