

# Denis Costelas

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A highly adaptable and disciplined software developer, I am eager to leverage my technical skills to contribute positively to both my team and the community. With a love for programming deeply ingrained in my work ethic, I find fulfillment in not only excelling in my own tasks but also in assisting and mentoring colleagues to achieve their goals. Known for my sociable and charismatic nature, I thrive in collaborative environments where teamwork and innovation flourish. Eager to continue making meaningful contributions and fostering growth within any project I work on.

## EXPERIENCE

### Full-Stack Software Developer

06/2023 – Present

Monad Systems, Oradea

<https://monad-systems.com/>

- **Flutter Development:** Developed and maintained a **hospital management system** in Flutter, implementing state management using **Riverpod** for improved performance and modularity.
- **Firestore Transactions & Performance Optimization:** Engineered efficient **Firestore transactions** to manage **5,000+ patient records**, ensuring data consistency and atomic updates.
- **Security & Data Integrity:** Improved security by refining the **encryption/decryption process**, reducing data loss from **25% to 0%** through custom encryption methods.
- **Cloud Functions & Backend Automation:** Designed and deployed **Google Cloud Functions (Node.js)** to **automate scheduled tasks**, reducing manual intervention by **60%**.
- **UI/UX Enhancements:** Created **custom UI components** with **adaptive layouts**, improving user engagement and reducing bounce rates by **30%**.
- **State Management & Performance Tuning:** Integrated **caching strategies and lazy loading techniques**, reducing backend read costs by **45%** and improving app performance.
- **Vue.js & Frontend Dashboard Development:** Developed **hospital system dashboards** using Vue.js, incorporating **dynamic UI elements, data visualization, and real-time updates** from the backend.
- **Internationalization (i18n) & Multi-Language Support:** Implemented internationalization for multilingual support, enabling seamless adaptation to different user locales.
- **Pagination & Data Handling:** Designed custom pagination for large datasets, improving response times by **35%**.

- **GoRouter Navigation & Deep Linking:** Structured **GoRouter-based navigation** to manage deep linking scenarios efficiently in Flutter applications.
- **Test-Driven Development & Quality Assurance:** Applied **TDD methodologies**, writing **unit tests and integration tests**, leading to a **55% improvement in code reliability**.
- Designed and implemented a **user authentication and authorization system** using **ASP.NET Core Identity**, securing over **5,000+ users**.
- Integrated **email-based password reset** functionality, improving user retention and security.
- Developed **RESTful APIs** for a hospital management system, reducing server response time by **40%** through optimized database queries and caching.
- Implemented **role-based access control (RBAC)**, ensuring data security compliance.
- Optimized **Entity Framework Core** queries, leading to **30% faster data retrieval** in high-traffic scenarios.
- **Scrum & Agile Collaboration:** Actively participated in **Scrum sprints**, conducted **code reviews**, and contributed to internal documentation efforts.
- **Mentorship & Knowledge Sharing:** Led internal **workshops and training sessions**, boosting team productivity by **25%** and reducing project completion time by **15%**.

## EDUCATION

### Bachelor of Engineering - Computer Engineering

*Facultatea de Inginerie Electrică și Tehnologia Informației, Oradea*

Oct 2022 - Jun 2026 (Expected)

### Mathematics and Informatics

*Technical College Alesandru Papiu Ilarian, Zalau*

Sep 2018 - Jun 2022

## PERSONAL PORTFOLIO

### Personal Portfolio Website

Welcome to my captivating Flutter portfolio—a showcase of versatile projects that embody growth, meticulous design, and exceptional user experiences. Explore my visually stunning apps and web interfaces, crafted with passion and attention to detail. Witness the power of Flutter's cross-platform capabilities and seamless responsiveness. More info here:

<https://denosg.github.io/>

## RELATED SKILLS

**Intermediate in:** Computer Science, Information Systems

## TECHNICAL SKILLS

**Expert in:** Solution Finding, Flutter, Firebase, Asp.NET, C#, Dart

**Intermediate in:** Node.js (Firebase Functions)

**Basic in:** Android, Java, iOS

## **SOFT SKILLS**

**Expert in:** Communication, Conflict Resolution, Teamwork, Dependability

**Intermediate in:** Ability to Multitask, Researching, Creativeness

## **HONORS & AWARDS**

### **1st Place in County Hackathon for Take Care**

*Innovation Labs Timisoara*

2023

### **1st Place County Phase TIC Olympiad**

*Inspectoratul Scolar Judetean Salaj*

2022

### **3rd Place County Phase English Olympiad**

*Inspectoratul Scolar Judetean Salaj*

2018

## **CERTIFICATIONS**

### **Database Design Oracle**

*Oracle Academy*

2024

### **Database Programming with SQL Oracle**

*Oracle Academy*

2024