

Daniel Ilies

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Experience

Remote

FULL-STACK ENGINEERING INTERN

2025-07 – 2025-10

- Developed backend logic in Go for the Rizq Launcher MVP, ensuring scalable and secure application architecture.
- Engineered core services including a gRPC-based text-to-speech module and Telegram Bot using Go, Node.js, and Java, optimizing for high-performance asynchronous processing and resolving complex authorization issues.
- Integrated third-party APIs and implemented two-factor authentication to enhance system security and reliability.

Iasi, Romania

SOFTWARE DEVELOPER

2023-06 – 2025-05

- Maintained and optimized a local Linux server for training machine learning models, handling setup, configuration, and system monitoring to ensure efficient performance.
- Developed "RoboGPT", integrating OpenAI APIs for asynchronous processing and natural language control in robotics applications, demonstrating strong API integration and background task handling.
- Engineered "AdCognition" using TypeScript, TensorFlow.js, and MongoDB for real-time data processing and ad detection, applying performance-aware coding practices for scalability.

Remote, Germany

FULL STACK ENGINEER

2025-05 – 2025-08

- Architected API integrations for user and campaign management, collaborating with backend developers to optimize data visualization and processing.
- Implemented responsive backend services using Node.js and MongoDB to support dashboard features and ensure cross-platform compatibility.

Skills

Backend Development:	Node.js, Go, MongoDB, Express.js, OpenAI API, API Integration
System & Database Management:	Linux, Docker, MongoDB Design, Indexing, Aggregation Pipelines
Development Tools:	Git, CI/CD, Debugging
Frontend Development:	JavaScript (ES6+), TypeScript, Vue.js, Next.js, Nuxt.js
AI/ML:	TensorFlow.js, Python
Design Principles:	Software Architecture, Performance Optimization, Security Best Practices

Projects

AdCognition

AI-POWERED BROWSER EXTENSION FOR REAL-TIME AD DETECTION AND BLOCKING USING MONGODB FOR DATA STORAGE AND TENSORFLOW.JS FOR PROCESSING.

MongoDB, TensorFlow.js,
TypeScript, AI, API Integration
<https://github.com/develbox-ro/ad-cognition>

RoboGPT

ROBOTICS APPLICATION INTEGRATING NVIDIA ISAAC SIM AND OPENAI APIS FOR ASYNCHRONOUS ROBOT CONTROL VIA NATURAL LANGUAGE, EMPHASIZING SCALABLE SYSTEM DESIGN.

OpenAI API, Node.js, Go, Natural
Language Processing, Async
Processing

Education

University "1 Decembrie 1918" of Alba Iulia

BACHELOR'S DEGREE IN INFORMATICS
GPA: 9 out of 10

2019-10 – 2022-07

Awards

2023 **1st Place Innovation Contest**, Recognized for developing Otis, a JavaScript-based automation tool that streamlined form-filling and email generation, enhancing team efficiency through optimized processes.

CGS Romania