

# Daniel Ilies

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## Experience

Iasi, Romania

2023-06 – 2025-05

### SOFTWARE DEVELOPER

- Developed backend services for AI-powered browser extension (AdCognition) using TypeScript and TensorFlow.js for real-time processing
- Built RoboGPT, an Nvidia Isaac Sim extension integrating LLMs and OpenAI APIs for server-side natural language processing and robot control
- Collaborated on code reviews and system design to ensure robust API functionality and data management

Remote, Germany

2025-01 – 2025-06

### FULL-STACK ENGINEER

- Architected and developed backend components for dashboard and form functionalities, focusing on server-side logic and data handling
- Integrated RESTful APIs to enable smooth data flow between frontend and backend services
- Applied object-oriented programming principles to ensure scalable and maintainable server-side applications

Remote, Romania

2022-03 – 2023-07

### CUSTOMER SERVICE REPRESENTATIVE

- Developed Otis, a JavaScript-based templating software utilizing RegEx for automating form-filling and email generation, improving team efficiency
- Demonstrated problem-solving skills through innovative scripting for backend-like automation tasks

## Skills

**Backend Development:** Node.js, Python, Express.js, MongoDB, RESTful APIs, Object-Oriented Programming

**Development Tools:** Git, Docker, CI/CD, Linux

**Databases:** MongoDB

**Frontend Development:** JavaScript (ES6+), TypeScript, Vue.js, HTML5, CSS3

## Projects

### IT-Hub - MERN Stack Social Media Web Application

Node.js, Express.js, MongoDB,  
RESTful APIs, Object-Oriented  
Programming

FULL-STACK SOCIAL MEDIA APPLICATION WITH BACKEND DEVELOPED USING NODE.JS, EXPRESS.JS, AND MONGODB TO HANDLE SERVER-SIDE LOGIC, APIS, AND DATA PERSISTENCE.

<https://github.com/daniel-iliesh/ithub>

### defender-bot

Python, Object-Oriented  
Programming, Robotics

PYTHON-CONTROLLED LEGO MINDSTORMS ROBOT DEMONSTRATING PROFICIENCY IN SERVER-SIDE PROGRAMMING WITH PYTHON, OOP PRINCIPLES, AND SENSOR DATA HANDLING.

### RoboGPT

Python, OpenAI API, APIs

NVIDIA ISAAC SIM EXTENSION FOR ROBOT CONTROL VIA NATURAL LANGUAGE, UTILIZING OPENAI APIS FOR BACKEND INTEGRATION AND PROCESSING.

### Otis – Customer Support Automation Tool

JavaScript, RegEx, Automation

JAVASCRIPT-BASED AUTOMATION TOOL FOR FORM-FILLING AND EMAIL GENERATION, SHOWCASING SERVER-SIDE SCRIPTING CAPABILITIES.

## Education

### University "1 Decembrie 1918" of Alba Iulia

BACHELOR'S DEGREE IN INFORMATICS

2019-10 – 2022-07

GPA: 9 out of 10

## Awards

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2023

**1st Place Innovation Contest**, Awarded for developing Otis, a JavaScript-based templating software that automated backend processes for form-filling and email generation

*CGS Romania*