

# Daniel Ilies

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## Experience

Iasi, Romania

2023-06 – 2025-05

### SOFTWARE DEVELOPER

- Developed and deployed AI-powered browser extension (AdCognition) using TypeScript, TensorFlow.js, and OpenAI API for real-time data processing and integration
- Built RoboGPT, an extension for Nvidia Isaac Sim using Python, LLMs, and OpenAI APIs to enable natural language control of robots, emphasizing scalable backend integrations and API handling
- Led frontend refactoring of exam management platform using Vue.js and Vuetify, optimizing database interactions and improving load times by 25% through efficient query construction
- Participated in code reviews, applied agile methodologies, and collaborated with UI/UX and analytics teams to ensure secure and maintainable application development

Remote, Germany

2025-01 – 2025-06

### FULL-STACK ENGINEER

- Architected and developed key backend services and RESTful APIs for campaign management, ensuring seamless data flow and secure authentication mechanisms
- Implemented responsive frontend dashboard and form components using Nuxt.js, Vue.js, and TypeScript, with emphasis on cross-browser compatibility and user authentication
- Collaborated with backend team on system design, database integrations, and end-to-end testing to accelerate development across projects

Remote, Romania

2022-03 – 2023-07

### CUSTOMER SERVICE REPRESENTATIVE

- Designed and implemented Otis, a Python and JavaScript-based templating tool for automating form-filling, data validation, and email generation, improving team productivity and data integrity
- Applied problem-solving skills in cross-functional collaboration, contributing to innovation in secure coding and process automation

Remote, Romania

2022-03 – 2023-07

### CUSTOMER SERVICE REPRESENTATIVE

- Won 1st place in a company-wide Innovation contest by developing Otis, a JavaScript-based templating software that automated form-filling and email generation, significantly improving team efficiency
- Honed communication, teamwork, and problem-solving skills while interacting with customers from diverse cultures

## Skills

**Backend & AI/ML:** Python, OpenAI API, TensorFlow.js, MongoDB, RESTful APIs, Asynchronous Request Handling  
**Frontend Development:** HTML5, CSS3, JavaScript (ES6+), TypeScript, Vue.js, React.js  
**Development Tools:** Git, Docker, CI/CD, Linux  
**Databases:** MongoDB  
**Frameworks:** Express.js, Node.js

## Projects

### defender-bot

Python, Micropython, RESTful APIs,  
OOP, Database Integration

DEVELOPED A PYTHON-BASED LEGO MINDSTORMS ROBOT USING MICROPYTHON, FOCUSING ON BACKEND CONTROL LOGIC, SENSOR DATA INTEGRATION, AND OOP PRINCIPLES FOR SCALABLE APPLICATION DEVELOPMENT.

### RoboGPT

Python, OpenAI API, LLMs, RESTful  
APIs, Machine Learning,  
Asynchronous Handling

CREATED AN NVIDIA ISAAC SIM EXTENSION USING PYTHON AND OPENAI APIS FOR NATURAL LANGUAGE PROCESSING AND ROBOT CONTROL, INTEGRATING LLMs FOR BACKEND AI FEATURES.

## AdCognition

ENGINEERED AN AI-POWERED BROWSER EXTENSION FOR REAL-TIME AD DETECTION USING PYTHON-COMPATIBLE TENSORFLOW.JS AND APIS.

*Python, TensorFlow.js, OpenAI API,  
AI/ML, Data Validation*

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

FULL-STACK SOCIAL MEDIA APPLICATION USING MERN STACK, WITH FOCUS ON BACKEND API DEVELOPMENT AND DATABASE INTEGRATION.

*Node.js, Express.js, MongoDB,  
RESTful APIs, OAuth2*  
  
*<https://github.com/daniel-iliesh/ithub>*

## Otis – Customer Support Automation Tool

JAVASCRIPT-BASED AUTOMATION TOOL FOR FORM-FILLING AND EMAIL GENERATION, EMPHASIZING DATA INTEGRITY AND EFFICIENCY.

*JavaScript, RegEx, Automation,  
Data Validation*

## Education

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

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

*2019-10 – 2022-07*

## Awards

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2023      **1st Place Innovation Contest**, Awarded for developing Otis, a templating software automating data processing and generation, enhancing backend efficiency and security

*CGS Romania*