

Daniel Ilies

Full-Stack Engineer | React • Node.js • TypeScript • Data Visualization

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Profile

Full-Stack Engineer with 3+ years of production experience building interactive dashboards and AI-integrated applications using React, TypeScript, Node.js, and Python. Specialized in frontend development for data visualization and workflows, backend APIs, and ML model integration (TensorFlow.js); optimized page loads by 25% and achieved 90%+ accuracy in AI detection tools. Open-source contributor with personal projects in AI evaluation and automation; eager to shape platform roadmaps in fast-paced AI startups.

Experience

Software Developer

Jun 2023 - May 2025

DevelBox • Iasi, Romania

Led full-stack development of AI/ML-integrated dashboards and workflows, collaborating with teams to deliver data insights and optimize performance.

- Developed and refactored interactive frontend features using Vue.js, TypeScript, and Vuetify, improving page load times by 25% for dashboard applications.
- Engineered AdCognition: full-stack ML system with Python/TensorFlow backend for model training and TypeScript/TensorFlow.js frontend for real-time visualization and detection (90%+ accuracy).
- Built RoboGPT workflow integrating NVIDIA Isaac Sim with OpenAI APIs and Python, reducing manual inputs by 30% and enabling natural language data interactions.
- Maintained Node.js/Flask services, Linux infrastructure, and CI/CD pipelines for ML deployments; conducted code reviews and testing.
- Collaborated on API development and data models to support AI evaluation metrics.

Full-Stack Engineer (Contract)

May 2025 - Aug 2025

BigFoot Company • Remote, Germany

Developed dashboard features and workflows for an ads platform using modern frontend stacks in a high-ownership environment.

- Built interactive UI components and multi-step workflows with Nuxt.js, Vue 3, TypeScript, and Pinia for dashboard visualizations.
- Integrated APIs and optimized data flows for backend services, ensuring responsive design and cross-browser compatibility.
- Contributed to feature roadmaps and collaborated closely with product teams on performance and user experience improvements.

Full-Stack Engineering Intern (Go/Node/Next.js)

Jul 2025 - Oct 2025

Trood • Remote

Developed backend services and frontend integrations in a microservices architecture, focusing on API and data handling.

- Implemented Node.js APIs, Go backend components, and gRPC endpoints for secure inter-service communication and data serialization.
- Integrated Next.js frontend with authentication flows and external APIs, including Telegram bot for workflow automation.
- Assisted in CI/CD setup, testing, and deployments using Git and Docker for scalable cloud infrastructure.

Customer Service Representative + Developer

Mar 2022 - Jul 2023

CGS Romania • Remote, Romania

Automated workflows and built tools to enhance team efficiency in a dynamic support environment.

- Developed Otis: JavaScript-based automation tool for templating, form-filling, and email generation using Node.js patterns and RegEx, winning 1st place in Innovation Contest.
- Optimized repetitive processes with API integrations and scripting, improving operational workflows.

Projects

AdCognition – End-to-End ML Ad Detection System

Jun 2023 - May 2025

DevelBox

Full-stack AI evaluation dashboard with Python/TensorFlow training backend and React-compatible TypeScript/TensorFlow.js frontend for interactive ad detection and data visualization.

- Delivered real-time inference and metrics visualization with 90%+ accuracy for AI model insights.
- Integrated Flask APIs, model conversion pipelines, and TensorBoard for monitoring and optimization.
- Open-source contribution demonstrating data tooling and community engagement on GitHub.

IT-Hub – MERN Stack Social Media Web Application

Jun 2021 - Jul 2022

Full-stack application with React frontend, Node.js/Express APIs, and MongoDB for user workflows and data management.

- Built interactive features including authentication, posts, and real-time updates using Redux and TypeScript.
- Demonstrated end-to-end development, testing, and deployment practices in a monorepo setup.

MARS5 TTS Telegram Bot

Oct 2024 - Dec 2024

Python-based backend service with API integrations for AI voice cloning and interactive bot workflows.

- Developed Node.js-compatible API handling and Docker deployment for scalable data processing.
- Facilitated AI model evaluations through external API calls and observability tools.

RoboGPT

Jun 2024 - Apr 2025

DevelBox

AI-driven robotics workflow using Python, LLMs, and OpenAI APIs for natural language control and data insights.

- Integrated frontend visualization elements with backend services, reducing inputs by 30%.
- Collaborated on metrics shipping for AI simulations and evaluations.

Education

Bachelor's Degree in Informatics

2019 - 2022

University "1 Decembrie 1918" of Alba Iulia

GPA: 9.0/10

Relevant Coursework: Bachelor Thesis: Building a Modern Fullstack Web Application

Bachelor's Degree in Informatics (Exchange)

2021 - 2022

Universidade da Madeira

Certifications

Cybersecurity Essentials	Apr 2022
Cisco	

Awards & Honors

1st Place Innovation Contest	Jan 2023
CGS Romania	
Awarded for Otis automation tool enhancing workflow efficiency through API and scripting integrations.	

Skills

Frontend Development React • TypeScript • Vue.js • Next.js • Nuxt.js • JavaScript (ES6+) • Data Visualization • Responsive Design • Performance Optimization • Pinia • Redux	Backend Development Node.js • Express.js • APIs • Go • gRPC • Python • REST APIs • Flask
Database & Data MongoDB • TensorFlow • TensorFlow.js • Transfer Learning • Model Fine-tuning • Data Models	Cloud & DevOps AWS/Google Cloud • Docker • CI/CD • Git • Linux • Terraform-like IaC • Jenkins • Nginx • Observability • Testing • Deployments
AI/ML Tools OpenAI API • CLIP • NVIDIA Isaac Sim • TensorBoard • Python Data Tooling	

Languages

EnglishFull Professional Proficiency	Romanian	Native speaker	Russian	Native speaker
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