

Daniel Ilies | Software Engineer

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Summary

A highly skilled and versatile Software Engineer with a Bachelor's degree in Informatics, proficient in full-stack development, AI/Machine Learning, and DevOps practices. Passionate about building robust, scalable applications from conception to deployment. Experienced in modern web technologies, CI/CD pipelines, and integrating AI into real-world products. Eager to leverage a diverse technical skill set and a strong problem-solving mindset to contribute to innovative projects in a collaborative environment.

Skills

Core Technologies: JavaScript (ES6+), TypeScript, Python, HTML5, CSS3, React.js, Vue.js (Vue 2 & 3), Node.js, Express.js, MERN Stack

AI/ML & Data: TensorFlow, TensorFlow.js, Machine Learning, Deep Learning, OpenAI API, LLMs, Jupyter Notebook, MongoDB

DevOps & Infrastructure: Docker, Jenkins, Docker Compose, Linux, Nginx, Networking Configurations, CI/CD

UI/UX & Design: Responsive Design, Accessibility (WCAG), Component-Based Architecture, Tailwind CSS, Vuetify, Bootstrap, Figma

Development Practices: Git, Code Reviews, Debugging, Clean Code, Agile/Scrum, Performance Optimization, RESTful APIs, OOP, SOLID Principles

Languages: Romanian (Native), Russian (Native), English (Advanced - C1)

Professional Experience

Full-Stack Engineer | Bigfoot Startup | Remote, Germany (*January 2025 – June 2025*) | <https://rocket-champ.com/>

- Collaborated as a core member of a small development team to build the AdsMedia full-stack retargeting platform using Nuxt.js, Vue.js, and TypeScript.
- Functioned as the primary front-end developer and a contributing back-end developer, responsible for architecting and developing key dashboard and form components for campaign management.
- Implemented responsive design principles and ensured cross-browser compatibility, delivering a seamless user experience across all devices.

- Worked closely with the back-end team on system design and API integration to ensure smooth data flow and application functionality.

Software Developer | DevelBox | Iasi, Romania (*June 2023 – May 2025*)

- Led the frontend refactoring of an exam management platform (examene.umfst.ro/login) using Vue.js and Vuetify, improving user experience and page load times by approximately 25%.
- Engineered and deployed an AI-powered browser extension (AdCognition) using TypeScript and TensorFlow.js for real-time ad detection and blocking.
- Developed RoboGPT, an Nvidia Isaac Sim extension for controlling robots via natural language commands using LLMs and OpenAI APIs.
- Actively engaged in code reviews and collaborated with UI/UX designers to translate complex mockups into functional web pages.

Customer Service Representative | CGS Romania | Remote, Romania

- 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.

IT-Hub - MERN Stack Social Media Web Application | Bachelor's Project | github.com/daniel-iliesh/ithub

- Designed and developed IT-Hub, a full-stack social media application, with a strong focus on building dynamic frontend features using **React.js**.
- Built all UI features using a component-based architecture and effectively managed application state using Redux.

Projects

Otis – Customer Support Automation Tool: An internal tool that won a company innovation award, using JavaScript, jQuery, and RegEx to automate form-filling and email generation for customer support.

IT-Hub - MERN stack Social media Web Application: (Bachelor's Final Project) A full-stack social media application built with the MERN stack, demonstrating an understanding of end-to-end web development.

defender-bot: A Python-controlled LEGO Mindstorms Micropython robot from university, demonstrating experience with robotics, sensors, and OOP principles.

Education

Bachelor's Degree in Informatics | University "1 Decembrie 1918" of Alba Iulia, Romania (*October 2019 – July 2022*)

Thesis: "Building a modern fullstack web application." Final grade: 9 out of 10.