

Daniel Ilies

Backend Developer | Node.js • MongoDB • Go • Python

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Profile

Backend Developer with 3+ years of experience building scalable applications using Node.js, Go, and Python, including database design with MongoDB and performance optimizations. Developed robust backend systems for ML integration, API services, and asynchronous processing, achieving 25% improvements in load times and 90%+ accuracy in production environments. Proficient in Linux server management, Docker containerization, Git workflows, and CI/CD pipelines; available for on-site roles in UAE.

Experience

Software Developer

Jun 2023 - May 2025

DevelBox • Iasi, Romania

Engineered backend services and ML-integrated solutions for production systems, focusing on scalable architecture and performance optimization.

- Built backend infrastructure for AdCognition ML system using Python/Flask and TensorFlow, including model training pipelines and API endpoints with MongoDB integration for data storage and retrieval.
- Maintained Linux-based servers for ML training and deployment, optimizing workflows with TensorBoard monitoring and ensuring scalability through efficient resource management.
- Developed RESTful APIs with Node.js/Express for social features in production applications, applying design principles for maintainable code and integrating third-party services like OpenAI APIs.
- Mentored junior developers on backend best practices and conducted code reviews to enhance system reliability and security.

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

Jul 2025 - Oct 2025

Trood • Remote

Developed backend services in Go for multi-service environments, emphasizing system design and integration.

- Implemented scalable Go backend components, including gRPC endpoints for inter-service communication and data serialization to support asynchronous processing.
- Integrated APIs for platform services, focusing on performance-aware coding and debugging across the stack.
- Assisted in CI/CD pipeline configurations using Git for efficient deployment in containerized environments.
- Collaborated in agile teams to optimize backend architecture for high-performance applications.

Full-Stack Engineer (Contract)

May 2025 - Aug 2025

BigFoot Company • Remote, Germany

Contributed to backend API integrations and system optimizations in a fast-paced team.

- Collaborated on backend data flows and API endpoints using Node.js to improve integration efficiency and scalability.
- Applied performance optimization techniques to enhance application responsiveness and maintainability.

Customer Service Representative + Developer

Mar 2022 - Jul 2023

CGS Romania • Remote, Romania

Developed internal automation tools to streamline backend workflows.

- Created backend automation scripts in JavaScript for form processing and email generation, improving efficiency through optimized task handling.

Projects

AdCognition – End-to-End ML Ad Detection System

Jun 2023 - May 2025

DevelBox

Backend-focused ML system with Python/Flask services for model training, MongoDB data handling, and API integrations for scalable deployment.

- Designed and implemented database schemas in MongoDB with indexing for efficient querying and aggregation in production ML pipelines.

- Optimized backend caching and processing strategies, achieving over 90% detection accuracy through performance-aware architecture.
- Integrated third-party APIs and ensured security best practices in web services.
- Utilized Linux environments and Docker for containerized deployment of ML infrastructure.

IT-Hub – MERN Stack Social Media Web Application

Jun 2021 - Jul 2022

Backend development of social platform APIs using Node.js/Express and MongoDB for data management and user interactions.

- Built robust REST APIs with authentication, post handling, and collaboration features using MongoDB for schema design and efficient storage.
- Applied best coding practices for maintainable backend architecture and integrated services for scalability.
- Focused on analytical problem-solving to optimize database queries and system performance.

MARS5 TTS Telegram Bot

Oct 2024 - Dec 2024

Python backend for Telegram bot with API integration for voice cloning, demonstrating asynchronous processing and deployment.

- Developed secure API integrations with external services (CambAI MARS5) and handled background tasks for efficient performance.
- Deployed using Docker in Linux environments, applying DevOps practices for reliable operation.
- Ensured scalability through optimized code and error handling across the backend stack.

Otis – Customer Support Automation Tool

Mar 2022 - Jul 2023

CGS Romania

Backend automation tool using JavaScript for workflow optimization and task handling.

- Implemented templating and processing logic to automate repetitive backend operations, enhancing efficiency.
- Demonstrated strong debugging skills and adherence to security best practices.

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

Certifications

Cybersecurity Essentials

Apr 2022

Cisco

Awards & Honors

1st Place Innovation Contest

Jan 2023

CGS Romania

Won for 'Otis' automation tool that streamlined templating and email workflows.

Skills

Backend Development

Node.js • Express.js • Go • gRPC • Python • Flask • MongoDB • REST APIs • Database Design • Indexing • API Integration • Asynchronous Processing • Performance Optimization • Security Best Practices

System & Tools

Linux • Docker • Git • CI/CD Pipelines • Redis-like Caching Strategies • Debugging • Aggregation Pipelines

Frontend Development

JavaScript (ES6+) • TypeScript • Vue.js • React.js • Next.js • Nuxt.js • HTML5 • CSS3 • Responsive Design

Languages

Romanian

Native speaker Russian

Native speaker English
Full Professional Proficiency