DANIEL ILIES

Full-Stack Developer | Node.js • React.js • TypeScript • Microservices

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PROFESSIONAL SUMMARY

Full-Stack Developer with 3+ years delivering scalable microservices, REST APIs, and modern web applications. Proven expertise in Node.js, TypeScript, React, MongoDB, and Docker. Strong background in event-driven architecture, CI/CD, and Agile methodologies. Self-starter with a track record of owning projects end-to-end in distributed teams.

PROFESSIONAL EXPERIENCE

Full-Stack Engineer

BigFoot Company

Nov 2023 - Oct 2024

Led technical design and delivery for a Telegram advertising platform with microservices architecture, campaign automation, and real-time analytics.

- Architected and optimized PostgreSQL schemas for campaign tracking, user interactions, and analytics—designed relational data models and REST APIs for scalability.
- Developed responsive web dashboards using Nuxt 3, Vue 3, and TypeScript for multi-channel campaign management.
- Built automated Telegram bot system with Node.js and Express for campaign broadcasting and user retargeting.
- Contributed backend microservices using Node.js, Express, and Java Spring Boot—implemented event-driven workflows and real-time statistics collection.
- Administered Linux servers, implemented CI/CD pipelines with Docker, and ensured high availability and resilient deployments.
- Collaborated in Agile distributed team, responding to frequent pivots while maintaining clear communication and productivity.

Full-Stack Developer

DevelBox

Dec 2021 - Sep 2023

Delivered full-stack solutions, AI prototypes, and web applications for B2B clients. Modernized frontend architecture and built internal automation tools.

- Refactored UMF Exams platform frontend to Vue 2 with Vuetify—migrated 30+ pages, enabled 50% faster feature releases, and improved accessibility.
- Developed AdCognition: AI-powered Chrome extension using TensorFlow.js for real-time ad detection with >90% accuracy—built end-to-end ML pipeline from Python training to browser deployment.
- Built RoboGPT prototype: integrated OpenAI APIs and robotics simulation for LLM-powered automation orchestration.
- Led frontend engineering with Vue 2, Vuetify, and Pinia; integrated with C# .NET backend APIs.
- Implemented Python Flask microservices to support AI/ML prototypes and REST API integration.
- Awarded 1st Place Innovation at CGS for 'Otis' automation tool—streamlined support workflows, reducing manual workload and improving team efficiency.

Full-Stack Engineering Intern

Trood

Jul 2021 - Oct 2021

Contributed to backend microservices and platform integrations in a multi-service distributed environment.

- Developed Go backend components and gRPC endpoints for inter-service communication.
- Implemented data models, serialization flows, and tested integration across distributed services.
- Integrated Telegram bot with backend APIs; assisted with Next.js authentication flows.

EDUCATION

University "1 Decembrie 1918" of Alba Iulia

Bachelor's Degree in Informatics - 9.0/10

Oct 2019 - Jul 2022

PROFESSIONAL SKILLS

Backend Development: Node.js, TypeScript, JavaScript, Express.js, REST APIs, Microservices, Spring Boot, MongoDB, PostgreSQL, Event-Driven Architecture, Go, gRPC

Frontend Development: React.js, Next.js, Vue.js, Nuxt.js, TypeScript, HTML5, CSS3, Responsive Design, Vuetify

DevOps & Tools: Docker, Kubernetes, CI/CD, Linux, Git, Nginx, Performance Tuning, Debugging, Monitoring

Software Engineering: SOLID Principles, Agile Methodology, Unit Testing, Code Documentation, Security Best Practices, Distributed Systems, API Gateway Integration

PROJECTS

Telegram Campaign Automation Platform

Microservices-based advertising platform with automated campaign management, user retargeting, and real-time analytics.

- Built Node.js and Spring Boot microservices with event-driven architecture.
- Designed PostgreSQL schemas and REST APIs for campaign workflows.
- Implemented Docker containerization and CI/CD pipelines for resilient deployments.

UMF Exam Portal Modernization

Frontend refactor and modernization of university exam platform using Vue.js and Vuetify component library.

- Migrated 30+ pages from legacy frontend to Vue 2 with Vuetify.
- Improved accessibility and reduced feature delivery time by 50%.
- Integrated with existing C# .NET backend APIs.

AWARDS AND HONORS

1st Place Innovation Contest

Awarded by: CGS Romania

Date: 2023-01

Awarded for 'Otis' automation tool that streamlined templating and email workflows for support teams.

LANGUAGES

English: Proficient

Romanian: Native

Russian: Native