

Tudor Matei

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Skills

Backend / Infrastructure: Java (Spring Boot, JUnit), Python (Flask, FastAPI), Node.js, PostgreSQL, REST/gRPC, Microservices, Docker, Linux, Git, AWS, CI/CD, Auth & Cloud Deployment

Frontend / UI: React, React Native, Next.js, TypeScript, HTML, CSS, UI/UX

Soft Skills: Problem-solving, agile teamwork, technical communication, product thinking

Languages: English & Romanian

Experience

F1r3fly.io

Seattle - Remote

Software Engineer Intern

Oct 2024 – Feb 2025

- Developed a decentralized tokenization module enabling secure wallet transactions across services.
- Integrated FUSE API to mount virtual drives and expose encrypted network resources as local filesystems.

Virtomat

Bucharest, Romania

Full-Stack Engineer Intern

Dec 2022 – Mar 2023

- Migrated the full-stack Virtomat cloud-native platform from PHP into a modern React front-end architecture, improving performance and user experience.
- Designed and implemented a scalable Strapi and NodeJS backend, enabling seamless integration with RESTful services.

Projects

Men in Black

React, Spring, Java, PostgreSQL

Designed and built a full-stack finance management platform deployed to production, improving staff workflow efficiency by 50% and enabling secure real-time transaction tracking for 25+ users.

Mayor's Chatbot

Python, Flask, REST APIs

Built and deployed an automated email system for the Mayor of Bucharest, handling 10,000+ citizen requests and eliminating manual processing.

Dorlist

React, Next.js, Node.js

Developed and launched a production-ready collaborative wishlist application with responsive UI, reusable components, and API integration; used by 10+ early adopters.

Open For Conversation (OFC)

React Native, Spring, PostgreSQL

Designed and implemented a mobile-first architecture for a location-based social platform, supporting 100+ concurrent users and reducing API response times by 25%.

Education

University of Twente

Enschede, Netherlands

B.S, Computer Science, GPA 4.0

2023 - 2026

*Minors: **Data Science; Quantum Computing***

Relevant Coursework: Algorithms & Data Structures, Computer Architecture, Operating Systems, Network Systems, Databases, Machine Learning, Object-Oriented Programming, Web Development, Embedded Systems

Honours Degree, Entrepreneurship & Business Development

Relevant Coursework: Setting-Up Businesses, Effectual Approaches, Market Research, Investor Pitching and Presentations

Online Certifications

May 2020 - Jun 2025

Meta: Back-End Developer, Front-End Developer (Professional Certificates)

Google: Cybersecurity Professional Certificate

Amazon: DevOps and AI on AWS Professional Certificate

Nvidia: AI Infrastructure and Operations

DeepLearning.AI: Tensorflow Specialization