Dan Cojocaru

Software Engineer · Full-Stack Developer

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I am a computer scientist with a passion for creating applications, software and websites that are useful to other people. Melding seriousness and reliability with spontaneity and adaptability, my skills and knowledge will be applied to communicate effectively and contribute meaningfully.

Experience

Software Engineer
OS @ RWTH Aachen University

Aachen, DE
Sep 2026 - Dec 2026

- Extend internal evaluation platform used for *"Advanced Operating Systems" course*.
- The platform is to be used for all courses offered by the "Operating Systems" Teaching and Research Unit.

Railway Accessibility Surveyor
VIA @ RWTH Aachen University

Aachen, DE
Sep 2026 - Nov 2026

- Measure distance and height difference between train door / gap filler and platforms.
- Collected data will be used for academic purposes.

Tutor
OS @ RWTH Aachen University

Aachen, DE
Apr 2026 - Aug 2026

- Tutored and examined native and international students for the *"Operating Systems and System Software" course*.
- Helped introduce the C programming language and core Operating Systems concepts.

Software Engineer
Power Software Dev

Remote
Oct 2022 - Jul 2025

- Co-architected, designed and implemented a patient management platform for medical clinics.
- Resulted in the digitalisation of 12 clinics, simplifying bureaucracy for both staff and over 100,000 patients.
- Set up the platform in a scalable manner using Linux VPSes, Docker Swarm, automatic deployment via CI/CD.
- Technologies used: backend - TypeScript, NodeJS, Express.js; frontend - Flutter.

Associate Programmer
Continental Automotive

Timișoara, RO
Oct 2021 - Apr 2022

- Documented Bash scripts responsible for managing networking of embedded devices.
- Improved reliability and speed by rewriting scripts as C++ programs.

Mobile Developer Intern
3Pillar Global

Timișoara, RO
Jul 2021 - Sep 2021

- Developed a simple mobile application in order to gain familiarity with React Native.
- Assisted team in further developing existing React Native application.

Education

RWTH Aachen University
M.Sc. Software Systems Engineering

Aachen, DE
Oct 2022 - Sep 2027

West University of Timișoara
B.Sc. Computer Science in English

Timișoara, RO
Sep 2019 - Jun 2022

National Computer Science College "Grigore Moisil"
High School Baccalaureate

Brașov, RO
Sep 2015 - Jun 2019

Skills

Programming Languages	C, C++, Python, Java, Ruby, Vanilla PHP, Rust, C#, Go, Dart, Kotlin
System Administration	Linux Servers, Docker (+ Compose, Swarm), CI/CD (Jenkins, Github Actions)
Databases	PostgreSQL, SQLite, MongoDB, Redis
Web Technologies	JavaScript, TypeScript, React, HTML, CSS, Svelte
Tech Stack	Git, React Native, Flutter, SQLite, MongoDB, Express.js, Flask, Playwright
Spoken Languages	Romanian (native), English (C1), German (B2)