

Duțu Alin Călin

Technology enthusiast

CONTACT

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FRAMEWORKS & LANGUAGES

C++	<div><div></div></div>
C	<div><div></div></div>
Java	<div><div></div></div>
Spring	<div><div></div></div>
Angular	<div><div></div></div>
Python	<div><div></div></div>
Bash	<div><div></div></div>
Haskell	<div><div></div></div>
Prolog	<div><div></div></div>

SKILLS

Git, Linux, Networking, Databases,
Docker, Microservices, Data
Structures, Algorithms

FOREIGN LANGUAGES

English (C1), French (beginner)

PROJECTS



Collaborative Calculation in Distributed Systems

- MPI distributed app. Processes are grouped in a topology of three centralized clusters which share computational tasks evenly.

Survival Maze Game

- C++ 3D game developed using OpenGL. The player must fight the enemies and reach the finish point before the time runs out.

Energy System Simulator

- Java application which simulates a whole energy system with clients, producers and distributors. The implementation contains design patterns such as Singleton, Observer, Factory and Strategy.

Weather Database Server

- A REST server implemented as a Maven Project in Spring Boot and deployed with Docker. A PostgreSQL database is used to store data.

IOT platform measurements

- An MQTT server which gathers parameters from IOT devices, stores them in an InfluxDB database and displays them in Grafana graphs.

CAREER



Tremend Software Consulting

- July 2022 - Present
- Associate Software Engineer
- Worked in an agile based, capacity planning app as a full stack developer to improve user experience and to establish several new features.

EXTRACURRICULAR ACTIVITIES

Unikraft Summer of Code 2021

- Attended workshop about unikernel development



Psycho-pedagogical module

- September 2019 - June 2022
- Attending pedagogical lessons and assisting classes
- Teaching students computer science in laboratory

EDUCATION

National College of Computer Science "Matei Basarab"

Math and Computer Science
September 2015 - June 2019
Average grade: 9.53



University Politehnica of Bucharest

Bachelor in Computer Science and Engineering
September 2019 – Present
Expected graduation date: June 2023
Fourth year - first semester grade: 9,66