Duţu Alin Călin

Technology enthusiast

CONTACT

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github.com/dutualincalin

FRAMEWORKS & **LANGUAGES**

C++ C Java Spring Angular Python Bash Haskell **Prolog**

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

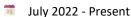
• A REST server implemented as a Maven Project in Spring Boot and deployed with Docker. A PostgreSQL database is used to store data.

IOT platform measurements

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

CAREER

Tremend Software Consulting





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

Psicho-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"

Mathematics and Informatics

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 / 10



