Alin Călin Duțu

Technology enthusiast

Contact

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Skills

Programming languages:
- ❖ **Java**: Intermediate
- ❖ **JavaScript**: Intermediate

Web Development:
- ❖ **Angular**: Intermediate
- ❖ **React JS**, **Node JS**: Basic

Database Management:
- ❖ **PostgreSQL**: Intermediate
- ❖ **MongoDB**: Intermediate
- ❖ **InfluxDB**: Basic

Tools and Frameworks:
- ❖ **Spring Boot**: Intermediate
- ❖ **Git:** Intermediate
- ❖ **Docker**: Intermediate
- ❖ **Camunda**: Basic
- ❖ **Liquibase**: Basic

Other:
- ❖ **Agile/Scrum**: Intermediate
- ❖ **Networking**: Intermediate

LANGUAGES

- ❖ Romanian: Native
- ❖ English: Advanced
- ❖ French: Beginner

PROJECTS

Password Manager
- Spring & Angular app used to create passwords using latest encryption algorithms provided by Spring Security, store them locally, or export them using QR codes.

Energy System Simulator
- Java application which simulates a whole energy system with clients, producers and distributors using design patterns such as Singleton, Observer, Factory, and Strategy.

Weather Database Server
- A REST server implemented in Spring Boot and deployed with Docker used to store data from temperature sensors in a PostgreSQL database

IOT Platform Measurements
- An application with an MQTT server which gathers measurements from IOT devices and stores them in an InfluxDB database. The user will be able to access the data in fancy charts by accessing the Grafana tool.

WORK EXPERIENCE

Associate Software Engineer
Tremend Software Consulting
📅 July 2022 - June 2023
- Assigned to an internal project providing a platform for business ceremonies
- Collaborated with other teams in order to plan future releases
- Implemented new features using Angular and Spring Boot, resulting in a substantial decrease in user-reported issues
- Investigated, documented and fixed production bugs

EXTRACURRICULAR ACTIVITIES

Psycho-pedagogical Module
📅 September 2019 - Present
- Attending pedagogical lessons and assisting classes
- Taught computer science classes to high school students

Practical Ethical Hacking
- Studied the foundation of Ethical Hacking
- Discovered a significant number of attacks and best practices to avoid them
- Practiced different kinds of pen tests

EDUCATION

Bachelor in Computer Science and Engineering
Polytechnic University of Bucharest
📅 September 2019 – July 2023
- Overall Average Grade: 9.39/10
- Bachelor Thesis Grade: 10/10