Saru Gabriel - Alexandru

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Education

- **Faculty of Automatic Control and Computer Science, UPB** — Bucharest, Romania
  Bachelor of Computer Science; GPA: 3.66 (9.15/10.0) — *Sep. 2019 – July. 2023*
- **National College "Anastasescu"** — Rosiori de Vede, Romania
  International Baccalaureate Diploma; GPA: 3.66 (9.15/10.0) — *Sep. 2015 – June. 2019*

Experience

- **Signal - Iduna Romania** — Bucharest, Romania
  Junior System Developer — *Aug 2021 - Present*
  - **Company Description**: Signal - Iduna is a company that offers partners health and accident insurance solutions, reinsurance, analysis and consulting services in terms of underwriting risk for optimal management.
  - **Achievements/Tasks**: Improved the functionality of the company app by asking people through feedback formulars.
  - **Achievements/Tasks**: Developed features/fixes for the product using C and ASP.NET Core 3.1 and 5.0.
  - **Achievements/Tasks**: Created Unit and Automated tests to validate the developed features using Microsoft Playwright.
  - **Achievements/Tasks**: Worked in team, which helped me to understand lots of concepts from the others and many others organisational things.
  - **Achievements/Tasks**: Used JIRA as the bug tracking system to track and maintain the history of bugs/issues on an everyday basis.
- **Freelancing.com** — Bucharest, Romania
  Freelancer — *Feb 2020 - Aug 2021*
  - **Description**: I developed and implemented interesting projects where I've learned many things that helped me get a better vision on difficult things, and it helped me to manage my time for better self-organisation.

Projects

- **Chess Engine** : Group project in which we used Java to develop a chess bot which can play smart and fast using minimax and alfa-beta pruning.
- **Compiler**: Program made in Python in which the user gives a C source file as argument and the program will output info about every declared function in the source file: name, return type, local variables.
- **Mini Pre-Processor**: Implementation of the GCC preprocessor. The program takes a C file and replaces all the defines and includes in the code.
- **Face and Emotion Detector**: Implemented a Face and Emotion Detector in the most efficient way using Algorithms and Data Structures in Python, using OpenCv, the project was built on a Raspberry Pi 4 with a camera module.
- **Router**: Implementation of a Router forwarding process using ICMP support, in C programming Language, with a fast lookup time in the route table using trie.
- **Client - Server Application**: Implementation of a Messaging application, based on the client-server model, using TCP and UDP protocols, made in C++.

Certifications

- **Android Fundamentals**: Workshop hosted by **Google Digital Garage** during which I studied Android knowledge throughout Android Studio and various projects, and earned a certificate to prove my skills.
- **Flutter Fundamentals**: Workshop hosted by **Google Digital Garage** during which I studied Flutter knowledge throughout various projects, and earned a certificate to prove my skills.
- **Problem Solving Basic**: Certificate earned through **HackerRank** where I have proved my problem solving skills.
- **C++ Problem Solving Certificate**: Certificate earned through **HackerRank** where I have proved my problem solving skills in C++.
- **REST API** : Certificate earned through **HackerRank** where I have proved my REST API knowledge.

Technical Skills

- C, C++, C#, Java, Python, Haskell, Assembly, Matlab, Vivado, Linux, Bash, HTML, CSS, Verilog