SAMI BARBUT-DICA

FULL STACK DEVELOPER   •   CRAIOVA, ROMANIA   •   0769244050
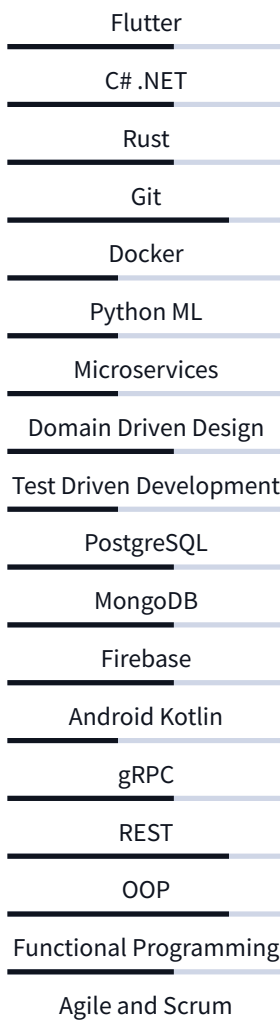
DETAILS

Craiova
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LINKS

Github

LinkedIn

Instagram

Facebook

Pbinfo

Codeforces

SKILLS

Flutter

C# .NET

Rust

Git

Docker

Python ML

Microservices

Domain Driven Design

Test Driven Development

PostgreSQL

MongoDB

Firebase

Android Kotlin

gRPC

REST

OOP

Functional Programming

Agile and Scrum

PROFILE

As a junior software developer, I am passionate about building high-quality software solutions that meet the needs of end-users.

Along with my technical skills in distributed systems, cloud services, .NET, Rust, Flutter, TDD, DDD and other relevant technologies and frameworks, I have developed strong soft skills, such as effective communication, teamwork, and problem-solving, that enable me to work seamlessly with colleagues to achieve project goals.

With a commitment to continuous learning, I am eager to contribute my skills and learn from senior team members to create world-class software products.

EDUCATION

Bachelor Degree in Computer Science, University of Craiova, Craiova
October 2021 — June 2024

Mathematics and Informatics Profile, 9.70, Independence High School, Calafat
September 2017 — June 2021

INTERNSHIPS

Software Developer Intern at NetRom, Craiova
August 2022 — September 2022

The experience of taking part in the Summer Internship by NetRom 2022 Edition represented a great opportunity for me to leverage my overall technical skills with modern frameworks such as .NET Core and Flutter and also soft skills in the context of building an exciting Digital Display Project.

During the internship, I have gained a solid knowledge in working with the Agile Methodology via Scrum ceremonies organized on a daily basis and also with development collaboration tools such as GitLab, Git and SourceTree. These facts have become a major player in the evolution of my future career as a full-stack developer together with the enhanced ability to manage complex tasks in the context of a motivated and engaging team and with the high quality survey of our mentors regarding the best practices in the GetX State Management and CQRS realms.

I really enjoyed being part of the NetRom Team during this both exciting and insightful internship as I had the opportunity to work on a real project scenario involving the advertisement digitalization process inside the company.

Software Developer Intern at Nagarro, Craiova
July 2022 — August 2022

During the Microsoft Summer Internship by Nagarro I had the opportunity to enhance my overall both soft and tech skills in the context of an exciting Business Trips Scheduler web app development.

I really enjoyed working on a real-life like project which combined Scrum ceremonies with Git Workflow and .NET Core continuous learning while integrating new features by adhering to the Clean Architecture principles.

Last but not least, the most effective lesson I learned during the internship emphasized the key value of the team work in the context of a large project as I had the opportunity to work together with both professional and enthusiast people in a quite friendly and motivating environment.

COURSES

Embedded Systems, Continental
October 2022 — January 2023

C# Remote Learning, Nagarro
November 2021 — May 2022

NetRom Software Academy, NetRom
November 2021 — December 2021

PROJECTS

Pantheonix
January 2023 — Present

Pantheonix is a work-in-progress competitive programming platform which harnesses the power of the ancient Gods of .NET Core, Rust and Flutter.

It is developed as a distributed cluster of microservices (Asgard) using gRPC, RabbitMQ, Docker and Kubernetes which communicates with a Flutter web client (Midgard).

StarBooks
September 2022 — Present

StarBooks is a work-in-progress E-Commerce cross-platform app especially designed for delivering your beloved novels world-wide based on Flutter and microservices written in Rust and .NET Core.

Talkaddict
December 2022 — January 2023

Talkaddict is a desktop chat app based on JavaFX and inspired by Discord.

Reddit Lens
November 2022 — December 2022

Reddit Lens is a ML based proof of concept project for detecting trolls and bots on subreddits based on Flask API, Flutter, Kafka clusters and Decision Trees.

Digital Display
August 2022 — September 2022

During the 2022 edition of the Summer Internship organized by NetRom, I had the opportunity to work on project involving the advertisement digitalization process inside the company together with other teams of interns and using cutting-edge technologies and methodologies such as Flutter, .NET Core, GitLab, Clean Architecture and Scrum.

Business Trip
July 2022 — August 2022

During the 2022 edition of the Microsoft Summer Internship by Nagarro I had the opportunity to enhance my overall both soft and tech skills in the context of an exciting Business Trips Scheduler web app development involving various technologies such as .NET Core, EF Core, Identity Framework, Razor Pages, Clean Architecture, Bitbucket and Scrum.

Zombie Hunter
April 2022 — May 2022

Zombie Hunter is a tile-based 2D shooter game with a top-down view developed with the purpose to learn Pygame and game dev related concepts.

Todo App
December 2021 — January 2022

Mobile Todo App is implemented using Flutter, Firebase and DDD architecture and based on Resocoder's DDD tutorial.

SamiLang
September 2021 — Present

SamiLang is a compiler for my personal programming language implemented in multiple stack flavours (currently based on C++ and LLVM, but with the possibility to further extend using Rust).

Weather Forecast
August 2021 — September 2021

Weather Forecast Android app is implemented using Kotlin and MVVM architecture and based on Resocoder's MVVM tutorial.

Phoenix
July 2021 — September 2021

Phoenix is platform for learning competitive programming developed together with a friend and implemented using Golang Chi on backend, React on frontend and PostgreSQL.

Alexis
February 2021 — April 2021

Alexis represents a synchronous voice assistant implemented via python speech recognition and google text-to-speech packages. It encompasses a massive API oriented on both basic and complex tasks such as conversation, self description, google, youtube and wikipedia searching, quiz responding, data base manipulation, translation, operating system management and many others.

TechSavvy
December 2020 — March 2021

TechSavvy is a CRUD web application for an IT company management using Php, MySQL and Bootstrap.

EXTRA-CURRICULAR ACTIVITIES

Advent of Code 2022 Participation
December 2022

I solved 15/25 challenges using Rust during the 2022 edition of Advent of Code.

Advent of Code 2021 Participation
December 2021

I solved 5/25 challenges using Kotlin during the 2021 edition of Advent of Code.

iTEC Participation
March 2021

During the hackathon's web dev session, our team developed a tourism advisor web application using React and online APIs for weather, flights, hotel pricing, maps, etc.

Competitive Programming problems proposal
June 2020 — September 2020

I was engaged in proposing a set of competitive programming problems related to Graph Theory. for Pbinfo and Kilonova platforms.

Description:I spent a few months doing research on shortest-path and max-flow graph algorithms and implementing those gained ideas into some genuine competitive programming problems with insightful sentences.

Problems:

Stardust Chromosome Tobruk Dyson MarsX Quantum

First Tech Challenge Participation, Timișoara
March 2019

During the FTC 2019 regional contest, our team developed a robot that could navigate through a maze and reach a specific goal using a hardware kit provided by the organizers and a Java based framework and competed against other teams all around the country.