Manuel Arto

ABOUT ME

Passionate about the IT world since childhood, I am currently taking a Master's degree in Computer Science at the University of Bologna. I completed the Bachelor's degree while doing a part-time job as a backend developer. My main interests are backend development and blockchain.

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WORK EXPERIENCE

SEP 2021 - SEP 2023

Net Service, Bologna

Software Engineer

• Management and development of a platform for collecting data on court proceedings for more than 40 credit institutions.
• Development of a 5 microservices system using Spring Boot and OpenShift for deployment.
• Migration from silos to multitenant architecture saving more than 80% in resources.
• Integration of Apache Camel, ActiveMQ and ETL script development to handle a data stream of more than 100 million records.
• Test-Driven Development (TDD) via JUnit for new feature development, for 75% coverage.

OCT 2019

MySponge, Vilnius Lithuania

Erasmus +

• UI/UX improvements via Wordpress of the e-commerce website.
• Integrated tracking system for product visibility in more than 100 outlets.
• Using Trello as a task management tool.

SIDE PROJECTS

2023 **Livechat**
• *Mobile application with advanced social features such as real-time chat, location sharing and a leaderboard based on daily step counts.*
• *Python, Flutter, Websocket, MongoDB, JWT*

2022 **CrazyPlayer**
• *AI player capable of playing optimally in all possible instances of the M,N,K-game.*
• *Ranked first in the tournament among various players created by students*
• *Java, Game Tree, Algorithms, Data Structure*

EDUCATION

2023-2025 **Computer Science**
MASTER'S DEGREE
University of Bologna

2020-2023 **Computer Science**
BACHELOR'S DEGREE
University of Bologna

COURSES

MAY 2020 **Flutter&Dart - Complete Guide**
UDEMY
42h, certificate link

2020-2023 **Blockchain Developer, Smart Contract, & Solidity Course**
YOUTUBE
Full course beginner to expert, github repo

COMPETIZIONI

MAY 2019 **National IT Competition**
Classified 5th in the entire country UML design and Java development

2019 **Italian Olympiad in Informatics**
Competitive programming in C++

SKILLS

TECHNICAL   Python, Java, Solidity, Go, Node.js, Flutter, C++, Svelte, Vue, Spring Boot, FastAPI, MongoDB, PostgresSQL, Blockchain, Docker, Kubernetes, ETL, Git, Design, Testing

SOFT   Collaborate, Communication, Fast, Passion