Manuel Arto

ABOUT ME

Graduate student in Computer Science, currently enrolled in a Master's program at the University of Bologna, while working part-time as a developer at Archeion.

I have professional experience in software development, with specific interests in backend programming and blockchain.

WORK EXPERIENCE

FEB 2024 - PRESENT

Archeion Startup, Bologna

Full-stack Developer

• Working part-time in a development team of 5.
• Developed from scratch one of the main Archeion App designed for vendors using Ionic and Angular.
• Developed from scratch a backend application related to a URL shortening service using NestJS, securing over 1 million active URLs within six months of launch.
• Assisted in the development of the core system architecture involving web2 and web3 technologies.

SEP 2021 - SEP 2023

Net Service, Bologna

Backend Developer

• 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 scripts to handle a data stream of more than 100 million records.
• Test-Driven Development (TDD) via JUnit for new feature development, for 75% coverage.

EDUCATION

2023-2025	**Computer Science** MASTER'S DEGREE *University of Bologna*
2020-2023	**Computer Science** BACHELOR'S DEGREE *University of Bologna*

HOBBY

Calistenichs, Chess, Manga, Movies and TV Series

Bologna, Italy
388 7833963
manuelarto01@gmail.com
Github
LinkedIn

SIDE PROJECTS

2023 **SocialTrustr**
• *Blockchain-based system aimed at providing traceability and validity of content shared within social environments.*
• *Content can be evaluated through the use of digital tokens and an incentive-based mechanism to reduce the spread of fake news and incentivize honest action.*
• *Blockchain · Consensus Algorithms · Web3 · Solidity*

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 a student tournament with over 50 participants, showcasing competitive programming skills.*
• *Java · Game Tree · Algorithms · Data Structure*

SKILLS

TECHNICAL	Python, Java, Solidity, Go, Node.js, Flutter, C++, Angular, Svelte, Vue, MongoDB, PostgresSQL, Blockchain, Docker, ETL, Linux, Git, Design, Testing
SOFT	Collaborate, Communication, Fast, Passion

ACHIEVEMENTS

2019	**Italian Olympiad in Informatics**
	Competitive programming in C++
MAY 2019	**National IT Competition**
	Classified 5th in the entire country
	UML design and Java development
OCT 2018	**Erasmus+, Vilnius Lithuania**
	Working full-time in a startup