Federico Zappone

Nationality: Italian **Date of birth:** 1999 **Gender:** Male **Phone number:** (+39) 0

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ABOUT ME

Graduated in Computer Science UNIMOL - University of Molise Particular interest in distributed systems (DLT, Blockchain ecc.) Particular interest in Trading e Cryptocurrencies. Bash - Emacs - I use Arch (Linux) btw.

WORK EXPERIENCE

Co-Founder

Just Another S.R.L. [20/10/2022 – Current]

City: Isernia

Country: Italy

CTO

BB-Smile [15/04/2022 – Current]

City: Rome-Isernia

Country: Italy

Chief Technical Officer

Blockchain - Hyperledger Fabric

Avanguard [01/09/2019 – Current]

Address: Isernia (Italy)

- Creation of a Blockchain thanks to the Hyperledger Fabric platform.
- Management of Network elements.
- Deploy the Blockchain and create scripts for automatic base deployment.
- Chaincode development.
- Creation of servers in NodeJS and REST API for interfacing with the Blockchain.

Site for Public Administration

UNIMOL - University of Molise [01/03/2019 – 01/03/2020]

Address: Isernia (Italy)

Being part of the group occupied with:

- Designing the structure of the site.
- Wordpress environment configuration.
- Actual creation of the site
- Plugins management and creation.
- Wordpress environment performance optimization.
- Creation of Plugins for generation of personalized itineraries thanks to the use of Machine Learning techniques.

EDUCATION AND TRAINING

Bachelor's degree in Computer Science and Technology

Unimol - University of Molise [01/09/2017 – Current]

Address: Contrada Fonte Lappone, 86090 Pesche (Italy)
Website: https://www.unimol.it/

Master's Degree Software Systems Security

Unimol - University of Molise [01/09/2020 – Current]

Address: Contrada Fonte Lappone, 86090 Pesche (Italy)
Website: https://www.unimol.it/

PUBLICATIONS

The Genesy Model for a Blockchain-Based Fair Ecosystem of Genomic Data

[2020]

Frontiers Blockchain

Genesy is an innovative blockchain platform that processes genomic data, facilitating research and safeguarding user privacy. This result is obtained by exploiting blockchain technology's capabilities to notarize data and prevent their unauthorized use, and at the same time to make them objects of possible transactions between different parties. Looking ahead, the Genesy model can be generalized to promote an ecosystem, and a fair market, for all types of biomedical data.

What is your Distributed (Hyper)Ledger?

[2021]

Emerging Trends in Software Engineering for Blockchain WETSEB 2021 - ICSE 2021

Hyperledger is an open-source project supported by the Linux Foundation that focuses on the development of distributed environments. Hyperledger includes a series of Distributed Ledger systems that can be used according to their needs. In the article are analyzed the fundamental aspects of the main projects and how to identify the one that best meets your needs.

Integrating Heuristics and Learning in a Computational Architecture for Cognitive Trading

[2021]

Elgar - AI and Behavioral Finance

The article provides an overview of the design of effective automated effective automated trading and the consequently applicable solutions. The goal is to unite trading with two methodological and technology that, although both deeply rooted in the disciplinary field of artificial intelligence, have so far taken separate paths: heuristics and learning.

Listening to what the system tells us: innovative auditing for distributed systems

[2022]

Frontiers in Computer Science

The paper proposes an approach for analyzing data arising from operations performed within distributed systems. The purpose of this approach is to define a general architecture that can make the mechanics more understandable internal to decentralized systems.

DELTA-Distributed Elastic Log Text Analyser

4th Distributed Ledger Technology Workshop (DLT 2022) at ITASEC 2022

DELTA is the first auditing system applicable to blockchain that can be integrated with the Docker Engine. In addition to describe its general principles and specific components, the´article illustrates its application on top of Hyperledger Fabric, the most most popular platform for private blockchain design.

PROFESSIONAL SKILLS

Professional skills

Professional skills:

- Distributed Ledger Technologies and Blockchain.
- Blockchain development frameworks such as Hyperledger Fabric, Hyperledger Composer and IBM Blockchain Platform.
- Financial markets particularly in the cryptocurrency market.
- Technical and fundamental analysis tools in the context of trading.
- Mining of cryptocurrencies and related tools (ASIC, RIG).
- Mastery of various GNU/Linux distributions (Arch Linux, Ubuntu, Ubuntu Server, RedHat, CentOS etc.).
- BASH language, server machine management and scripting.
- Versioning tools (Git, GitHub, GitLab).
- Scripting languages such as Python, Javascript, Ruby, R, Bash (POSIX).
- Web application development (PHP, NodeJs, Javascript, Typescript, HTML, CSS, SCSS, etc.).
- Web development frameworks (Angular, React, Vue, Ionic etc.).
- RESTful APIs.
- Event-driven programming (Socket.io).
- Relational and non-relational databases (MySQL, PostgreSQL, MongoDB. CouchDB, SQLite).
- Machine learning techniques (Machine learning) for big data analysis (Python, R language).
- Web application development via CMS (Wordpress, Ghosts and creation/management of related plugins).
- Mobile application development (Hybrid and native - Ionic, Android).

Idependent projects

- Framework/system development for creating automated trading strategies.
- For other projects visit: https://github.com/ZappaBoy

LANGUAGE SKILLS

Mother tongue(s): **Italian**

Other language(s):

English

LISTENING C1 **READING** C1 **WRITING** C1

SPOKEN PRODUCTION B2 **SPOKEN INTERACTION** B2

DRIVING LICENCE

Driving Licence: AM

Driving Licence: A1

Driving Licence: B

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Isernia, 20/01/2023