Federico Zappone

DATE OF BIRTH:
1999

CONTACT

Nationality: Italian

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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.

EDUCATION AND TRAINING

01/09/2017 – CURRENT – Contrada Fonte Lappone, Pesche, Italy

Bachelor's degree in Computer Science and Technology
Unimol - University of Molise

https://www.unimol.it/

01/09/2020 – CURRENT – Contrada Fonte Lappone, Pesche, Italy

Master's Degree Software Systems Security
Unimol - University of Molise

https://www.unimol.it/

PROFESSIONAL SKILLS

Professional skills

- Excellent knowledge of distributed databases (Blockchain).
- Excellent knowledge of Blockchain development platforms such as Hyperledger Fabric, Hyperledger Composer and IBM Blockchain Platform, in particular Hyperledger Fabric.
- Knowledge of financial markets in particular in the area of Cryptocurrency.
- Knowledge of fundamental technical analysis tools and graphics in trading.
- Excellent knowledge of the Cryptovalue Mining environment and related instruments (ASIC, RIG).
- Creation of web and mobile applications.
- Excellent mastery of operating systems (Windows, GNU/Linux).
- Excellent mastery of the various GNU/Linux distributions (Arch Linux, Ubuntu, Ubuntu Server, RedHat, CentOS).
- Ability to administer a dedicated linux server from CLI.
- Excellent knowledge of versioning tools (Git).
- Knowledge of Object Oriented Programming.
- Knowledge of procedural programming.
- Very good knowledge of the BASH language, in particular in scripting.
- Very good knowledge of scripting languages such as Python and Javascript.
- Knowledge of web application development (PHP, NodeJs, Javascript, HTML, CSS).
- Knowledge of web application development via CMS (Wordpress and creation/management of related plugins).
- Knowledge of mobile application development (Hybrid and native - Ionic, Android).
- Knowledge of REST API operation, both use and implementation.
- Very good knowledge of event programming, both usage and implementation (Socket.IO).
- Knowledge of relational and non-relational databases (MySQL, MongoDB. CouchDB, SQLite).
- Good knowledge of machine learning techniques for the analysis of large amounts of data (Python, R language).

WORK EXPERIENCE

01/03/2019 – 01/03/2020

Site for Public Administration

UNIMOL - University of Molise

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.

Isernia, Italy

01/09/2019 – CURRENT

Blockchain - Hyperledger Fabric

Avanguard

- 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.

Isernia, Italy

PUBLICATIONS

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

2020 https://doi.org/10.3389/fbloc.2020.483227
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 https://www.researchgate.net/profile/Remo-Pareschi/publication/350013522_What_is_your_Distributed_HyperLedger/links/604b62da299bf1f5d8417324/What-is-your-Distributed-HyperLedger.pdf
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 https://arxiv.org/pdf/2108.12333.pdf
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.

LANGUAGE SKILLS

MOTHER TONGUE(S): Italian

OTHER LANGUAGE(S):

English

Listening	Reading	Spoken production	Spoken interaction	Writing
B2	B2	B2	B2	B2

DRIVING LICENCE

Driving Licence: AM

Driving Licence: A1

Driving Licence: B

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24/09/2021