

Dan Rusnac

Blockchain developer and consultant



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Employment history

May 2019 - present

Fullstack developer

Engage People Inc.

Engage is a Canadian enterprise which delivers large-scaled web applications for reward, loyalty and recognition for Banks.

I work as a fullstack developer using: **Laravel** and **Docker** for backend developing, following **Test Driven Development** approach to make code bug-free and exception-less; **Angular**, **Blade** and **Vue.js** for frontend developing. Being our team divided between Canada and Italy we follow **Agile methodology** by using **YouTrack** for keeping track of the work and by doing daily **scrums**.

October 2017 - present

Blockchain developer and consultant

Freelancer

In 2019 I worked for the startup Genuino Blockchain Technologies to create a **NFT smart contract** on the Ethereum blockchain to track products (in particular AC Fiorentina's soccer shirts), a **dashboard to interact with the smart contract** and an **application** to store ETH, GNT ERC-20 token, ERC-721 tokens associated to the products with a QR reader to see if a product is authentic or not.

In 2018 I mostly did **private consultations** to companies and startups that wanted to implement Blockchain technology.

In particular to a Energy company that wanted to know how to use **blockchain to create a decentralized marketplace for renewable energy** and to a startup that wanted to know how to use **blockchain to track bikes**.

Meanwhile I was invited as a **speaker** at different conferences to talk about blockchain and **taught a brief university course** about blockchain and how to write smart contracts called: **"Blockchain: hands on Ethereum Smart Contracts"**.

In 2017 I helped a startup (Epocum) to launch its **ICO** by: developing an **ERC-20 token** and a **crowdsale smart contract**; writing the **whitepaper** and implementing **web3.js** to create the Dapp.

September 2016 - September 2017

Blockchain researcher

CyberSecurity Lab

I was part of the CyberSecurity Lab of the University of Perugia: a scientific research structure consisting of the synergistic work of researchers of multiple Departments, directed by Professor Stefano Bistarelli, with the **aim of analyzing in depth the Bitcoin blockchain** in order to find out if and which addresses in the blockchain are used for illegal activities.

During this period I **won**, along with the rest of the team, two international prizes: the **"Microsoft Azure research"** and the **"Aws research grant"**.

July 2015 - April 2017

Web developer

Freelancer

I worked as a freelance web developer dealing with the design, ideation, and development of multiple websites and e-commerce. In this time I upgraded my skills in UX and UI, design, front-end development and CMS development (as Wordpress and Prestashop).

Education

October 2012 - April 2016

Bachelor of Technology - BTech

Università degli Studi di Perugia

Thesis: "Blockchain: Big Data Visualisation"

Web App that allows you to identify flows of money, enhance the mixnet or monitor suspicious addresses of the Bitcoin Blockchain through visual data analysis to simplify and facilitate the process of analysis and comprehension.

I allow the treatment of my data according to D. Lgs. N. 196/2003

Computer science skills

Blockchain	Solidity, IPFS, Web3.js, Ethers.js, Truffle
Front-End	Javascript, Typescript, AngularJs, Angular React, React Native, Vue.js, Blade
CMS	Wordpress, Prestashop
Back-End	PHP, Laravel, MySQL, OrientDB, Docker C, Java, Python
Software 3D	Blender
Software Adobe	Illustrator, Premiere, After Effects, InDesign
Messenger Mkt.	ManyChat, Zapier
Agile env.	YouTrack, Trello

International awards

Aws research grant

An award that Amazon reserves for the world's most prestigious and innovative university research groups. Won for the research project on Bitcoin transactions which aims to analyze the Bitcoin blockchain in depth, in order to find out if and which addresses of the transaction chain are used for illegal activities.

Microsoft Azure research

The prize was awarded for research that CyberSecurity Lab was conducting Bitcoin transactions.

Spoken languages

Italian | English | Russian | Rumanian

Interests

UX | Cryptocurrencies | Blockchain | Bitcoin

AI | Virtual Reality | Astronomy | HCI

Music | Cinema | Event Organization

Decentralization | Design | Tech

Journalism | Scientific Disclosure

Art | TV Series | Trading | Marketing