# Radu Nita

## **Backend and Blockchain developer**

### **Contacts**

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## **Experience**

### 10/2018 - Present: Backend and Blockchain Developer

Titanium Software Chișinău, R.M.

- Developed a Node.js tool for deployment private Ethereum blockchain networks on AWS using terraform and docker
- Performed load testing of a private blockchain infrastructure with instant transactions using
- Developed a **custom Ethereum protocol** in **golang** by disabling the possibility to deploy contracts for regular users
- Improved and developed new features for a cross-client chat bot (Whatsapp, Telegram)
  using Node.js and Python 3
- Developed, deployed and tested smart contracts with solidity and truffle
- Performed smart contract audit
- Developed multi-blockchain wallet solutions (Ethereum, Bitcoin)
- Developed cross-chain assets exchange (Binance-chain, public and private Ethereum networks)
- Leaded small development teams, trained blockchain interns and consulted the client on infrastructure and blockchain technology
- Optimized the delivery process with Gitlab CI, docker and terraform

#### 01/2016 - 12/2017: Scientific Researcher

Moldova State University Chişinău, R.M.

- · Performed experimental design and conducted various experiments
- · Improved the methodology, wrote scientific reports and articles based on experimental results

#### 11/2014 - 09/2015: Scientific Research Intern

Institute of Genetics, Physiology and Plant Protection of the A.S.M. Chișinău, R.M.

## **Education**

2016 - 2018: PhD Student (Nanobiotechnology)

Doctoral School of Biological and Geonomical Sciences Moldova State University, Chişinău, R.M.

### 2013 - 2018: Licentiate in Engineering (Information technology)

Faculty of Physics and Engineering Moldova State University, Chişinău, R.M.

### 2013 - 2015: Master in Natural Sciences (Applied Biotechnology)

Faculty of Biology and Pedology Moldova State University, Chișinău, R.M.

#### 2010 - 2013: Licentiate in Natural Sciences (Molecular Biology)

Faculty of Biology and Pedology Moldova State University, Chişinău, R.M.

## **Projects**

### blockchain-gateway

JS library and CLI tools for sending Ethereum and Bitcoin transactions. Useful for multi-blockchain wallets and cross-chain exchanges.

<u>scifier.dev/blockchain-gateway</u> github.com/scifier/blockchain-gateway

#### mlp-generator

JS project for generating, training and analyzing simple artificial neural networks. This project was archived in the Arctic Vault program.

<u>scifier.dev/mlp-generator</u> <u>github.com/scifier/mlp-generator</u>

#### cv-materializer

A React.js/typescript resume builder that is using markdown files for generating pages and concat them into a downloadable PDF. The project comes with an easy-to-configure GitHub Action that creates a static web page on GitHub Pages. To personalize the portfolio, the user should simply fork the project and follow the short instructions.

<u>scifier.dev/cv-materializer</u> <u>github.com/scifier/cv-materializer</u>

## geth-contracts-disallowed

Go-ethereum 1.8.14 client with modified PoA protocol - the contract deployment is allowed for whitelist external accounts and contract accounts only. <a href="mailto:github.com/BidiPassCompany/geth-contracts-disallowed">github.com/BidiPassCompany/geth-contracts-disallowed</a>

### ws-frame-decoder

Raw websocket frame decoder. github.com/BidiPassCompany/ws-frame-decoder