# Radu Nita

## Backend and Blockchain developer

## **Contacts**

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## **Experience**

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

Titanium Software Chişinău, 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 K6
- Developed a custom Ethereum consensus protocol in Golang
- Improved and developed new features for a cross-client chatbot (Matrix, Whatsapp, Telegram) using Node.js and Python 3
- Developed, tested, deployed and integrated smart contracts with Solidity, Truffle and Web3
- · Performed smart contract audit
- Developed multi-blockchain wallet solutions (Ethereum, Bitcoin, Algorand, FIO)
- 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. Chişinău, 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, Chişinău, 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. scifier.dev/blockchain-gateway github.com/scifier/blockchain-gateway

#### mlp-generator

Node.js project for generating, training, and analyzing simple artificial neural networks. This project was archived in the Arctic Vault program. scifier.dev/mlp-generator github.com/scifier/mlp-generator

#### 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.

scifier.dev/cv-materializer github.com/scifier/cv-materializer

## 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.

github.com/uloxio/geth-contracts-disallowed

## ws-frame-decoder

JS library for decoding raw WebSocket frames according to RFC6455 Framing Protocol. github.com/uloxio/ws-frame-decoder