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 **K6**
- 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
Chișinău, 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, Chișinău, R.M.

2013 - 2018: Licentiate in Engineering (Information technology)

Faculty of Physics and Engineering
Moldova State University, Chișinău, 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, Chișinău, 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

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/BidiPassCompany/geth-contracts-disallowed

ws-frame-decoder

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