



# Vassilis Kritharakis

Developer

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## Skills

- NodeJS
- Javascript / ES6
- Typescript
- Vue.JS
- React.JS
- Angular.JS
- MySQL
- MongoDB
- LevelDB
- jQuery
- Ajax
- API
- WebSockets
- P2P communications
- Cryptography
- Blockchain
- PHP
- Fat PHP Framework
- Qt
- Wordpress
- Opencart

*I'm an enthusiastic developer with passion. My ability to learn fast new tools and adopt different tools for different problems makes me a good asset. The last couple years I'm working with cryptocurrencies and blockchain technologies.*

*I have good understanding and experience of full stack technologies, strong coding skills of languages for both front and back-end. good understanding of databases, APIs, git, bitbucket, MVC, WebSockets, etc.*

## Projects

### Tournaments Manager

#### Visual Basic

- Sophisticate manager to match players on tournaments.
- Automated generates categories and pools for each tournament.
- Editable and printable visualization.

### Ifestos Manager

*Php, Fat Framework, jQuery, MySQL, JavaScript, Ajax, Java*

- <http://ifestos.stonebird.gr/>
- Online application for clients and appliances management for workshops.
- Uses java applets and websocket for label printers compatibility.

### Rumanian Burstcoin Pool Explorer

*Php, Fat Framework, jQuery, MySQL, JavaScript, Ajax, API*

- <https://pool.burstcoin.ro/>
- Explorer for Burstcoin cryptocurrency.
- The 1<sup>st</sup> fast explorer in history of Burstcoin. Achieved with MySQL caching, API requests optimization and data computation before user needs them.

### Burstnation Explorer

*Php, Fat Framework, jQuery, MySQL, JavaScript, Ajax, API*

- <https://explore.burstcoin.ro/>
- Is the premium or next version of Rumanian explorer.
- Visualization of all peers in a globe.
- Enabled unused features of Burstcoin like Marketplace, Assets market, etc.

## Burstcoin Wallet

*Java, Raven, Websocket, API, Server*

- Added Websocket implementation.
- Optimized API requests and MySQL for better performance.

## CreepMiner GUI

*Electron, Javascript*

- A GUI for Burstcoin miner named CreepMiner (C++).
- Contribute to CreepMiner developer on browser GUI.

## New Cryptocurrency

*NodeJS, Javascript, Typescript, Electron, Vue.JS*

- In my spare time I'm working on new DAG witness based cryptocurrency with genius code from scratch on nodeJS.
- Started as hobby, but now will introduce new features in crypto world, like 2FA and recoverable accounts without 3rd party services.
- Witness(main peers) horizontal scalability with cluster workers. I have extend workers not only per CPU cores/threads but per machines/servers.
- Custom shard of levelDB and connections to workers.

## Travel4days.com

*WordPress, Web Design, Logo Design*

- <http://travel4days.com/>
- I loved this project. Hiking and traveling is my hobby and I'm in some articles too! :)

## Various Projects

*Various languages and frameworks*

- Over the years I have done a lot of small projects and contributions in various languages and frameworks. Like Matlab simulations, yugi-uda antenna optimization, C# applications, websites(WordPress, angular, open-cart), Qt, and more.

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## Education

### Technological Institute of Serres, Greece

*Diploma: IT Engineer & Communications*

*My thesis was steganography implementation in p2p application built with Visual Basic.*

*I loved simulation of physical systems and deterministic methods on cellular infrastructures.*