

# Mahdi Ghasemi

## Senior Blockchain Developer

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[Portfolio](#)

[LinkedIn](#)

[GitHub](#)

[Email](#)

## Experiences

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### Layer 1 Blockchain Network, *Remote*

Aug 2022 - Present (12 months)

- Hybrid POW and POS Consensus Algorithms
- Developed by Go
- Mapping Blockchain Wallet Address to Card Bank Numbering System

### Blockchain Validator Application, *Remote*

Apr 2023 - Jun 2023 (1 month)

- RESTful API
- Backend by Go - Frontend HTML5, AJAX, jQuery
- Increasing the blockchain security and scalability via validating blocks by users (not the Nodes) and getting a reward

### Blockchain Explorer, *Remote*, [PlutuScan](#)

Jan 2023 - Feb 2023 (1 month)

- RESTful API
- Backend by PHP7.4 - Frontend by HTML5, AJAX, jQuery

### HD Wallet, *Remote*, [PlutuChain Wallet](#)

Oct 2022 – Present (10 months)

- HD Wallet base on EIP-32 and EIP-39 standards
- 14 languages support
- Developed for iOS and Android smartphones by Flutter

### NFT Marketplace, *Remote*, [DigiArts](#)

Feb 2022 - May 2022 (4 months)

- Deployed BEP20, ERC721 NFT tokens, and market smart contract on Solidity.
- Backend by PHP, Node.JS, and MySQL
- Frontend by Web3.js, HTML5, CSS, jQuery and Bootstrap

### **Automated Crypto Trading Bot & Platform, Remote, [GoldBitex](#)**

*Oct 2020 – Jan 2022 (16 months)*

- Implementation of Algorithmic Trading & Technical Analysis
- Backend by PHP and MySQL
- Frontend by HTML5, CSS, jQuery, and Bootstrap

### **Centralized Crypto Exchange (B2C), Remote, [GitHub](#)**

*Nov 2019 - Apr 2020 (6 months)*

- A simple B2C model crypto exchange
- Implemented by PHP and MySQL

## **Software's Skills**

- **Backend:** Go – PHP
- **Frontend:** Web3.js – jQuery – HTML5 – CSS3
- **Smart Contract:** Solidity
- **Database:** MySQL – MongoDB – LevelDB
- **Mobile:** Flutter

## **Education**

**Software Engineering**, *Islamic Azad University, Bachelor's Degree, 2021*

## **Certifications**

**Introduction to Digital Currencies**, *University of Nicosia*

*Dec 2022*

- The Massive Open Online Course (MOOC)
- The course is structured around four general topics: a theoretical and practical introduction to digital currencies: history, decentralized consensus, technical overview of Bitcoin, exercises, banking, financial and regulatory implications of digital currencies, innovation & future development: tokenization, decentralized finance (DeFi), central bank digital currencies (CBDCs) and convergence of blockchain with other technologies towards a decentralized future.

**Programming with Google Go**, *University at Irvine, Coursera*

*July 2022*

- Getting Started with Go
- Functions, Methods, and Interfaces in Go
- Concurrency in Go

**Blockchain Specialist**, *University at Buffalo, Coursera*

*May 2022*

- Blockchain Platforms
- Decentralized Applications (Dapps)
- Smart Contracts
- Blockchain Basics

**Advanced Blockchain Courses**, *Moralis Academy*

*Dec 2021 – Dec 2022*

- Ethereum Smart Contract Programming
- Ethereum Smart Contract Security
- Lightning Network & Lightning App Programming
- JavaScript Programming for Blockchain Developers
- EOS Programming
- Chainlink Programming
- Blockchain Business Masterclass
- Build an NFT Marketplace
- Ethereum Game Programming

## **Soft Skills**

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- Team working
- Fast learning
- Optimist
- Writer
- Supporter

## **Languages**

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- English
- Persian