Mohammad Matin Ghiasvand

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Skills

- Smart-contracts | Solidity | AtomicSwap | Tokenomics | HardHat | EVM | Contract-Audit | Unit & Fuzzy Testing |
- Documentation | Rust | WASM | P2P | Git | Node | NestJS | Backend | JavaScript | TypeScript | Docker | Linux | Bash |
- DBMS | SQL | MySQL | SQLite | NoSQL | MongoDB | Redis | NPMPackages | C | C++ | SDL | Java | OOP | Javafx | Python
- | Django | VisualC# | .NETFramework | Unity Game development | Networking | SocketProgramming | Tensorflow |
- Pytorch | Numpy | Tauri | Selenium | ComputerVision | MLP | CNN | TelegramBots

Experience

Lead Blockchain & Backend Developer   Droplinked   *Los Angeles, CA*   09/2022 - Now

- Developed, audited, modified, written and deployed smart contracts on multiple chains including Casper-Network, Polygon, Binance, Hedera, Stacks, NEAR, and Skale for minting, managing, selling, co-selling, and purchasing NFTs
- Leveraged ChainLink technology in EVM-based chains to provide decentralized price feeds for on-chain USD payment purposes
- Implemented a protocol for non-EVM chains which involves price signing and verification on chain enabling payment with native crypto for a constant USD price
- Provided useful APIs as "web3" project to the company including transaction verification, event extraction, and callback to the backend using NestJS | Implemented API keys for future sale of APIs for the company
- Developed a token gating protocol for all supported chains, enabling users to buy products or receive discounts based on the number of NFTs they hold.
- Developed Payment Contracts acting as proxy contracts taking 1% interest from each payment transaction
- Created NPM packages for front-end team to integrate smart contracts into company website, including login with wallet, contract function calls, and signature verification
- Well-documented work in multiple resources, including droplinked.github.io ↗ and droplinked_casper ↗ and other resources like Github gists ↗

AI Developer, Intern   Roshan-AI   *Tehran, Iran*   02/2022 – 05/2022

- Developed a Persian newspaper text classification AI system with **97.4% accuracy** using Python, Numpy, TensorFlow, and PyTorch
- Utilized deep learning techniques and achieved higher accuracy than previous solutions at RoshanAI

Education

- Computer Engineering Student at Amirkabir University of technology   Dec 2020 – NOW
- Allameh Helli Tehran (gifted highschool) | 150th / 600,000 place in Iran's University Entrance Exam   Oct 2017 – Sep 2020

Projects

- Droplinked contract for Casper | Polygon | Binance | NEAR | Hedera | Skale : a modified ERC1155 smart contract deployed on multiple chains, to mint, manage, affiliate and purchase NFTs
- Integration tools & npm packages : front-end & backend tools to integrate the smart contracts, into the structure of the droplinked project. These packages, include : NEAR | Polygon | Binance | Casper and …
- Atomic Swap contract, supporting swaps between ERC20 tokens, ERC721 NFTs & native tokens on multiple blockchains (Casper|Etheruem|NEAR)
- Autopilot : An automation browser level testing framework, to run multiple tests on the front-end of the project, with the ability to program for tests
- FileEplorer : A simple file explorer project, written in rust and viteJs (Tauri framework), despite simplicity, it searches 5x faster than windows explorer
- P2PNetwork : a p2p networking implementation, using Rust and its concurrency, to build a p2p network able to serve different purposes and applications
- Datcord : a Discord-like social media, implemented with Java, Socket programming, Javafx, and encryption algorithms (end to end encryption)
- CaptchaBreak : Using AI & CNNs to break my University login page's image Captcha
- PhysicsSimulations : A fun repository containing various physical simulations implemented in C++ with SDL and other graphics libraries

Awards & Honor

- Iran's 1st place & world's 4th place in the world mathematics invitation contest (WMI)
- Achieved 150th / 600,000 place in the country, in Iran's University entrance exam (top 1%)