

Don Park

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- <https://github.com/donpdonp>

Mission

To build blockchain systems that are secure, effective, and predictable.

Skills

- Studying blockchains since 2010
- Effective in multiple programming languages and environments (Go/Node.js/Rust/Python/Linux)
- 15 years of software development, documented in github; Linux tools; Cloud platforms
- Quick to pick up new technologies; Good communicator and organizer

Work History

- defihub.markets (May 2023 - Present) [Sole Proprietorship]
 - Defi/Uniswap pool constant-product pricing information
 - Ethereum mainnet chain following for realtime data collection written in rust
- TrustMachines (Bitcoin L2) / Blockchain Engineer (Aug 2022 - March 2023)
 - Contribute to Bitcoin L2 Stacks(STX) node miner software
 - Research and development of a pegged bitcoin equivalent using Schnorr group signatures
 - Deep understanding of bitcoin transaction and address types
- IceCondor.com / Rust Developer (2022 Feb - 2022 May) [Sole Proprietorship]
 - Ingests streaming data from mobile clients
 - Multi-threaded network daemon, JSON client-server protocol, secure access management
 - Millions of location records with effective indexing
 - <https://github.com/icecondor/api-rs>
- Yith / Rust Developer (2020 Jan - 2020 May)
 - Trade execution engine (receives orders from Nimbook (see below))
 - Smart Contract calls to 4 distributed exchanges (Ddex, IDEX, Switchco, RadarRelay/0x)
 - Ethereum transaction building, encoding, signing and submitting
 - Profit/Risk monitoring and validation before submitting any transactions
 - <https://github.com/cointhink/yith>
- Nimbook / Nim Developer (2019 Nov - 2020 Jan)
 - Cryptocoin exchange orderbook continual retrieve/extract/compare
 - Compute arbitrage price differences, track with influxdb/grafana
 - Built to quickly incorporate new exchange datafeeds
 - <https://github.com/donpdonp/nimbook>
- BlkMev / Blockchain Developer (2019 Apr - 2019 May) [project]
 - Bitcoin wire-protocol implementation in perl6/raku
 - Demonstrates a deep understanding of the blockchain and transactions
 - <https://modules.perl6.org/dist/BlkMeV>
- Bitcoin Script in WebAssembly (2018 Feb - 2018 Apr) [project]

- Extracted the bitcoin script interpreter code (C++) compiled to WASM
- Built a web site to evaluate bitcoin scripting language using WASM (not emulated in javascript)
- <https://donpdonp.github.io/bitcoin-wasm/>
- Cointhink version 2 / Full Stack Developer (2017-2018) [Sole Proprietorship]
 - Cryptocoin exchange trading bot hosting/execution
 - Go language API, elm website, and LXD linux containers
 - <https://github.com/cointhink>
 - <https://web.archive.org/web/20171126162006/https://cointhink.com/>
- Cointhink / Full Stack Developer (2013-2015) [Sole Proprietorship]
 - Arbitrage tracking on early bitcoin exchanges
 - Ruby on Rails, postgresql, Elm, Javascript
 - <https://web.archive.org/web/20160219100013/http://cointhink.com/arbitrage/btc:usd>
- Vault / Lead Javascript Developer (2016-2017)
 - 10-person finance startup in Portland Oregon
 - Achieved API compliance with APEX Clearinghouse for NASDAQ access
 - Wrote Node.js implementation of portfolio balancing with stock trades on NYSE/NASDAQ
- Chroma Fund / Lead Javascript Developer (2015)
 - Early Bitcoin crowdfunding platform
 - Bitcoin colored-coin/non-fungible implementation from specs in Node.js
- Coindust / Lead Javascript Developer (2015-2016)
 - Command line bitcoin wallet in node.js, using bitcoinjs library.
 - Builds bitcoin binary transactions, calculates fees
 - Published in NPM, still used today
 - <https://www.npmjs.com/package/coindust>
- Gluon / Lead Go Developer (2014-present) [project]
 - Go-Lang pub/sub json based async irc bot framework
 - Manages multiple javascript interpreter instances
- IceCondor.com / Lead Javascript Developer (2008-present) [Sole Proprietorship]
 - Ingests streaming data from mobile clients
 - Android client, published in Play store
 - Node.js API backend
 - JSON over Websocket communications (multi-threaded)
 - Protobuf on-disk format for space efficiency
 - <https://github.com/icecondor/api-rs>

Education

- University of Portland
 - Bachelors of Science in Computer Science
- Portland State Univ.
 - Graduate Dept in Computer Science (unfinished masters degree; all but Thesis)

<https://donp.org/resume.pdf>