

## Don Park

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

## Mission

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

## Skills

- Studying and participating in 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

- 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, Switcheo, 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>