



Hey, I'm 4rgon4ut

I'm passionate about decentralized systems and open-source software.

Points of interest: Native Rollups, RISC-V and Ethereum L1 scaling.

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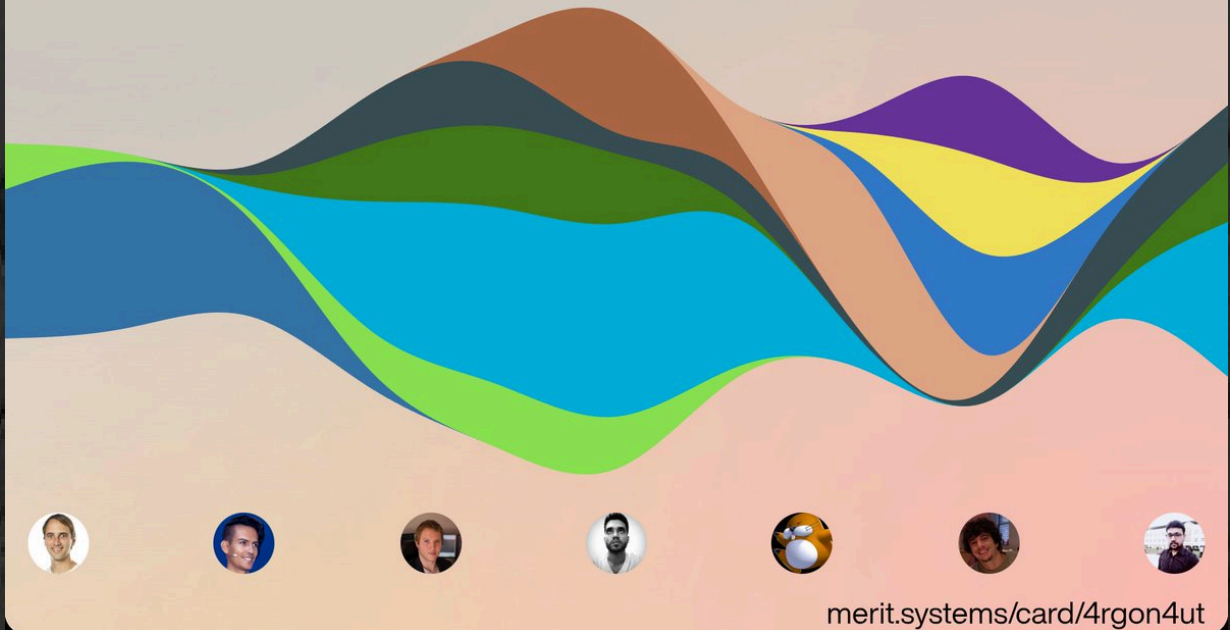
Languages I Use:

Go | Rust | Solidity | Zig



4rgon4ut

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What's done:

Gnosis Chain Core Development

(Go, Solidity, Rust)

- Researched and justified [EIP-4844](#) and [EIP-7514](#) changes for Gnosis Chain
- Worked on internal infrastructure: go-eth2-client, checkpointz, goteth, and 3rd party provider monitoring
- Automated validators staking rewards distribution: [repo](#)
- Supported Ethereum Hive test harness fork and developed Shanghai and Dencun test suites
- Created dappnode packages for multiple Gnosis EL and CL clients

Evmos Core Protocol Development

(Go, Solidity)

- Worked on Evmos state machine and Ethermint library
- Created automatic ERC20 ⇔ Cosmos Token Standard conversion extension for IBC protocol
- Worked on Ledger support and ERC-712 typed data signing
- Created docker environment automation for end-to-end testing

VRM.trade Solidity Development

(Solidity, JS)

- Developed Smart Contracts for NFT marketplace
- Implemented ERC-721, ERC-1155, EIP-712, EIP-1271 and UUPS proxy standards
- Inspired and developed Lazy Minting mechanism
- Worked on Gas Optimizations and basic security check with Mythril and Slither

Waves Tech Gateways Development

(Go, Solidity, Rust)

- Worked on Firewall development for Waves Exchange
- Supported existing cross-chain system and worked on decentralization of its centralized components
- Developed identity infrastructure TOTP/OTP confirmation flow

Socials

[GitHub](#) | [X](#) | [Mirror](#) | [HackMD](#)