George Kushnir

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TECHNICAL HISTORY (CRYPTOCURRENCY)

ANONYMOUS PRIVACY PROJECT | Lead Protocol Engineer & Developer
October 2021 - Current
- Develop a privacy preserving transaction protocol using ZK proofs.
- Engineer architectural solutions for bleeding edge problems in the space.
- Lead and manage a team of protocol developers.
- Stack: circom, zkSNARKs, Angular, TypeScript, Solidity

EXODIUM | Blockchain Engineer
January 2018 - August 2021
- Designed a brand new network with novel hybrid PoS-PoW consensus.
- Created trustless and decentralized bridges to existing blockchain interfaces.
- Implemented various improvements to existing protocol technologies.
- Stack: Typescript, nodejs, Linux, Others

BIZ NETWORK | Backend Engineer
June 2017 - January 2019 | Co-Owner
- Founded two DPoS cryptocurrency network delegates from the ground up.
- Implemented profit distribution algorithms and architecture for stakers.
- Catered and marketed to a user base of over 5,000 active users.
- Stack: nodejs, Linux, Bootstrap, MySQL, PostgreSQL, AWS, Google Cloud Compute

ARK BLOCKCHAIN | Security Auditor / Blockchain Engineer
June 2017 - January 2019
- Audited, discovered, and patched multiple critical severity issues.
- Performed "rescue" operations to consolidate and resolve chain splits and instability.
- Provide consulting for DPoS consensus code improvements.
- Stack: nodejs, Linux, PostgreSQL, Various Cloud Services, Custom Tools

OTHER WORK

1VYRAIN | Software Jailbreak
ThinkPad IvyBridge Series Laptops
- Automated and developed an exploit chain to overwrite laptop devices with a custom BIOS.
- Allow users to flash Coreboot or other BIOS replacements without requiring disassembly and external flashing.
- Develop and release custom ASM patches to facilitate the installation of "free-er" software.

AUTOMATED PROFIT SWITCHING CLOUD MINER
2012 onwards | Bitcoin, Primecoin, Dogecoin, Nimiq, Others
- Managed and maintained huge concurrent clusters of cloud Linux instances with custom tools.
- Developed custom profit switching to ensure miners only ran profitably.
- Owned 10%+ the total hashrate of various networks over time.

SKILLS

PROGRAMMING
Proficient
circom • NodeJS • Angular • Solidity + related suites
Redis • Express • MySQL / PostgreSQ • TypeScript
Familiar / Rusty
C • Python • C++ • PHP
Shell • LUA • Powershell/Batch

All Skills Self-taught

NETWORKING, CLOUD, MISC.

Linux (RHEL/CentOS, Ubuntu)
AWS Suite (S3, EC2, Glacier, & more)
Google Cloud Compute Suite
Consensus Networking & Architecture

Bilingual: English, Russian