KRISTIAN QUIRAPAS

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SKILLS

Programming Languages	Rust, Typescript, Go, Solidity, BASH, Javascript, Python
Databases	SQLite, Postgres, MongoDB, RocksDB
Tools and IDE	Tauri, Substrate, NextJS, ReactJS, Tauri, Anchor, Docker, GCP, AWS, DigitalOcean, VIM, Linux, Git, Vercel, Render
Technologies	REST, WebSockets, GRPC, QUIC, Solana, Ethereum, Polygon, Polkadot, Near

WORK EXPERIENCE
Fullstack Developer, Smart Contract Developer, & Blockchain Engineer

AR Data Technologies | Toronto, Canada   May 2024-Present
Fullstack Developer & Smart Contract Developer, Independent Contractor
- Created a blockchain implementation and infrastructure in Go for a decentralized AI (DePin) network of more than 3M concurrent users.
- Built Solana programs and SDKs for delegated proof of stake routing protocol.
- Work on implementing and maintaining a gaming-focused blockchain network infrastructure using Substrate, ensuring robust and scalable solutions tailored for the gaming industry.
- Develop and maintain a decentralized computing network settlement layer in Solana, utilizing delegated proof of stake to ensure efficient and secure network operations.

Keeby Web3 Middleware | Singapore   August 2021-Present
Fractional Blockchain Engineer
- Built blockchain applications from Solana as a settlement layer, Solana Metaverse, De-AI, DePIN, DeFi, Decentralized Storage, DeFi, and NFT Projects with Rust and Go.

Vulcanic Labs | Singapore
Tech Lead, Software Engineer, Blockchain Developer & Founder
- Built and maintained various backend systems for diverse client solutions, ensuring optimal performance, scalability, and reliability as a backend engineer.
- Developed and deployed various Solana programs for DApps, NFT, and DeFi projects, ensuring high performance and security as a blockchain developer.
- Led a team of project managers and developers to deliver tailored client solutions, ensuring successful project execution and client satisfaction.

thirdweb | California, USA   September 2022-February 2023
Fullstack Web Developer & Developer Advocate for Solana and EVM
- Built applications, taught workshops, created documentation, organized events, and provided community support to onboard the next generation of blockchain developers.

Alchemy | California, USA   October 2022-December 2022
Solana Engineering Consultant and Technical Writer
- Wrote technical Solana documentation for Alchemy

Independent Contractor | Various Locations   January 2015-July 2022
Fullstack Web Developer and Software Engineer
- Building different web solutions for various clients while going through academe.

PROJECTS

- **Merkle Tree Whitelist-Gated SPL Token Sale:** Developed a native Solana program that facilitates an SPL token sale with a whitelist gate utilizing the Merkle tree as a space optimization preventing dynamic growth of whitelist onchain and instead pinning whitelist space consumption at 32bytes. ([Github](#))
- **Pledge DApp for Global Luxury Watch Business:** Developed and deployed a pledge DApp that successfully secured $1.5M USDC in funding for a 30-year established global luxury watch business, facilitating seamless investment and enhancing financial growth. ([GitHub](#))
- **Phygital DApp for Bicol Blockchain Conference:** Developed a Phygital (Physical + Digital) DApp tailored for one of the Philippines' state universities to enhance engagement and interaction during the Bicol Blockchain Conference, combining physical presence with digital accessibility for a seamless conference experience. ([GitHub](#))

ACHIEVEMENTS

- Achieved 33rd place out of 414 teams at **Paradigm CTF 2022**

EDUCATION

University of the Philippines Diliman | Quezon City, Metro Manila
Bachelor of Science in Computer Science