

Kairos Stroud

Full Stack Web3 Developer

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Summery

Master's candidate in Computer Science with a strong specialization in Research and Development within the blockchain ecosystem. I bring hands-on experience in building and deploying decentralized applications (DApps) across leading platforms including Bitcoin, Ethereum (EVM), Solana, Aptos, and Sui. My work spans a wide range of blockchain solutions, from NFTs and DeFi platforms to Play-to-Earn (P2E) games. Currently, I am focused on advancing automated trading systems, with practical expertise in developing copy-trading bots, volume-based trading bots, bundler bots, and arbitrage solutions. In addition to technical development, I am actively exploring the convergence of AI and blockchain—particularly through the design and deployment of AI Agents for strategic initiatives such as meme coin launches. My strong business communication skills in English and extensive experience in remote, cross-functional team environments enable me to drive projects efficiently from concept to execution.

Skills

- **Language** - Javascript, Typescript, Rust, Solidity, Python, HTML5, CSS, SQL
- **Frameworks** - Truffle, Hardhat, Express, Django, Next.js
- **Libraries/APIs** - React, Web3JS, gRPC, GraphQL, NodeJS
- **Platforms** - Docker, AWS, Kubernetes
- **Storage** - MongoDB, PostgreSQL, MySQL, Redis, Supabase
- **CI/CD** - GitHub Action, Azure DevOps
- **Blockchain** - Solana, Ethereum, Bitcoin, DeFi, Dex, NFT marketplace, P2E game, Trading Bot, AI Agent

Experience

November 2024 - February 2025

Monkai, United States- CTO

- Design and Implement non-custodial NFT staking on Solana (pNFT) & EVM (ERC20)
- Design and Implement non-custodial Ordinal Staking on Bitcoin using MulitiSig Wallet
- Implement Presale & Simple swap on Solana, Ethereum, Bitcoin.
- <https://monkai.finance/>

December 2024 - January 2025

Saint, Canada – *Senior Web3 Full Stack Developer*

- Design DB for token analytic system - collect data using third party services
- Integrate Coingecko, CMC, DefiLama, Nansen API to backend DB
- Develop \$Saint staking portal smart contract.
- AI terminal development using Ollama LLM
- <https://satoshiaiaagent.com/>

August 2024 - September 2024

Charisma, United State– *Full Stack Developer*

- Upgrade the old version of the next.js web app.
- Audit Staking Smart Contract
- <https://swap.charisma.rocks/>

March 2024 - July 2024

ChainSwap, Croatia– *Senior Solana Developer*

- Leadership in Solana Development for Cross-Chain Integration: Spearheaded the Solana development team in the successful integration of the Cross Chain Transfer Protocol (CCTP), including seamless implementation of the Jupiter aggregator, enhancing interoperability and user experience
- Implementation of Chainlink CCIP for Multi-Chain DEX: Leveraged Chainlink's Cross-Chain Interoperability Protocol (CCIP) to develop ChainSwap, a user-friendly, multi-chain decentralized exchange (DEX) that facilitates secure and efficient cross-chain transactions.
- Multi-Chain Expansion and Intra-Chain Swap Support: Achieved integration of over eight blockchain networks, enabling both intra-chain swaps and multi-chain DEX functionality, thereby delivering a versatile and robust trading ecosystem.

December 2023 -March 2024

MunchSwap, United Kingdom– *Full Stack Developer*

- Implement the Bitcoin Ordinal Multiswap.
- Integrate Unisat, XVerse and Leather wallet.
- Generate Swap PSBT using [bitcoinJs](https://bitcoinjs.org/) lib.
- <https://munchswap.xyz/>

May 2023 - December 2023

DIGIMONKZ, United States | Remote – *Web3 Front End Developer*

- Implemented the real time communication with React, Typescript, Socket-IO and MongoDB
- Implemented JWT-Authentication and used Axios to fetch for http requests an attached Bearer token for secure usage of API
- Used React Router DOM for secured routing and implemented sub-routes to navigate the pages between the application after authentication. For styling the pages used Tailwind CSS
- Made the map for brand marketing with D3, React, Typescript, Youtube video player, Smart Contract and Socket-IO
- Hosted the front end with Nginx and hosted backend with pm2 in Ubuntu OS.

- React / Typescript / Tailwind CSS / Material UI / Socket.io / Web3.js / Subgraph
- <https://digimonkz.com>

August 2022 - February 2023

Crypto Game Agency, Spain | Remote – Blockchain Developer

- Building Restful APIs to store data for web-apps using MongoDB and integrated third-party APIs.
- Utilized Git and Github for version control.
- Contributed to team projects in an Agile environment, working in sprints, utilizing AWS s3 buckets for storage.
- Built P2E NFT Game (website, game and admin stats) on BSC network
- Rewrote the FE codebase of a React/Redux-based P2E NFT game to use React Hooks and Lazy Loading techniques, resulting in 30% reduction in initial page load time and around 30% increase in engagement rate among players (from 3547 holders to 4842 holders within 3 days)
- Enhanced data fetching efficiency and performance by integrating the React FE of P2E game with a GraphQL server using Apollo Server and Prisma as the ORM.
- Used a Subgraph to index all logs and to statistic data.
- Developed the game and token smart contract.
- Integrated the Smart Contract with Web3 in React FE.
- Hosted Services on AWS and Netlify by CI/CD.
- Developed the TG bot for Duel Game.
- BSC / Smart Contract / Solidity / Typescript / Node.js / MongoDB / React / Redux / Tailwind CSS / Web3 / Hardhat / CI/CD / AWS / Subgraph / GraphQL / Apollo / Agile /
- <https://cryptolegions.app/>

February 2021 - June 2022

Hubble Axiom, United States | Remote – Solana Full Stack Developer

- Developed governance and utility Token (HBB) and over-collateralized stablecoin(USDH).
- Let users borrow USDH for a one-time 0.5% fee and low interest rates. With the interest yield on deposits, your collateral value can grow to negate fees.
- Deposit a variety of assets on Hubble, raise your collateral ratio, and unlock the liquidity in your wallet.
- While your collateral is deposited, delegate it to earn the highest yield available in the Solana ecosystem.
- Hubble's capital-efficient 110% collateral ratio lets users leverage up to 11x on their deposits.
- Developed Rust Smart Contract for Defi(lending, swap).
- Solana / Rust / Smart Contract / Anchor / AWS / React / Typescript / Redux Thunk / Docker
- <https://app.hubbleprotocol.io/>

January 2019 - December 2020

Aptitude ApS, Denmark – Web Software Engineer

- Developed real-time applications using React and Redux, ensuring seamless data updates and user interactions.
- Implemented features for casino applications, focusing on responsive design and cross-browser compatibility.
- Conducted a major migration from an older JavaScript framework to React, improving performance and maintainability.
- Leveraged React Native for developing cross-platform mobile applications, reducing development time and effort.
- Enhanced the mobile user experience through smooth animations and transitions using React Native libraries.

- Enhanced application performance and reduced dependencies by writing custom scripts and utilities in Vanilla JavaScript.
- Utilized AWS services like EC2 and S3 for deploying and hosting applications, ensuring high availability.
- Worked in an Agile team, contributing to sprint planning, estimation, and reviews.
- Implemented code-splitting and lazy loading techniques to enhance application performance.
- Collaborated with designers to create intuitive and visually appealing user interfaces.
- Performed thorough testing and debugging to ensure application stability and reliability.
- Provided technical guidance and code reviews to junior team members, promoting best practices.

Education

April 2014 - September 2018

Tokyo University of Science, Shinjuku, Japan – *Bachelor's Degree of Computer Science*

Projects

Solana Tools

- Multi Purpose Tools for Solana Networks
- Burn Solana NFTs & Close Empty accounts refund \$SOL
- Burn SPL Tokens
- Multi Transfer (Bundler) using jito
- SPL token Launch Pad
- Update NFT metadata & upload file to Arwave
- Send a NFT message
- <https://solana-spl-p-nft-tools.vercel.app/>

Memepad

- Real Memecoin degens go to get filthy rich. Next-gen coins, rug-proof, and ready to pump
- Smart Contract for meme launchpad using Anchor
- Backend integration
- <https://memepad.ai/>

Pumpfun Fork

- Pump.fun is an exciting concept allowing creators and degens to come together in perfect unison. New Token projects can be launched for absolute minimal costs (~0.02 SOL) and 0 initial liquidity. It allows communities to come together and grow, with the end goal of achieving 100% of the bonding curve and then liquidity raised is used to launch the project onto raydium.
- <https://pumpfun-eta.vercel.app/>

Satoshi AI Agent

- The \$SAINT project is an AI-driven blockchain intelligence platform that simplifies complex blockchain data into actionable insights. It utilizes advanced machine learning algorithms and deep learning to provide real-time tracking, comprehensive analytics, and robust tools for users to make informed decisions within the blockchain ecosystem.
- The project's mission is to empower users with a comprehensive platform that makes complex data accessible and understandable for everyone in the crypto space.
- Worked on the AI Agent part using Olalla and integrated Backend system.
- <https://satoshiiaient.com/>

Hydra Swap

- HydraSwap is a next-generation cross-chain DEX powered by our exclusive Hydra Market Maker (HMM) smart pricing algorithm. It helps liquidity providers (LPs) enhance their returns up to 4x and improves their impermanent loss profile. HydraSwap integrates smarter pricing with concentrated liquidity to create greater capital efficiency and superior earnings for LPs. HydraSwap's proprietary features combined with the speed and convenience of Solana, deliver a fast and reliable DEX. By addressing the needs of LPs we aim to create a robust trading venue with deep liquidity for DeFi.

- <https://hydraswap.io/>

Reference

Gummiberu - CEO, Monkai <https://x.com/monkainft>

Filip - CTO, ChainSwap <https://x.com/0xFilip>

Rudy - CTO, HydraSwap <https://x.com/rudiyardley>