

Kyle Norkett

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Adaptable developer experienced in secure smart contract development, data, analytics, and project management. Fast and avid learner, currently upskilling in zero-knowledge cryptography. Independently able to transform ambiguous business and customer needs into actionable results.

KEY SKILLS

Ethereum & EVM

Web3 Fullstack

Distributed storage

Node.js & React

Hardhat & Foundry

Financial modeling

Statistics & Data

Market research

Product management

PREFERRED LANGUAGES: **Solidity, Typescript, Python**

Professional Experience

Theopetra Labs (2021-2024) - *Lead smart contract developer*

- Managed development teams during multiple projects throughout the product life cycle
- Wrote, tested, & deployed smart contracts on Ethereum, zkSync, and Base in solidity
- Contributed to core protocol codebase, testing, and audit process, identified and fixed two critical bugs before deployment
- Drove down operational costs 10x by distributing payments through zkSync to L1
- Migrated ERC-20 contract and liquidity to Base to drive user acquisition
- Built iBuyer, a custom escrow contract to automate real estate acquisitions using an optimistic oracle and commit-reveal scheme
- Managed deployments on mainnet as well as testnets and internal devnets
- Designed and built custom modeling & policy analysis tools in typescript
- Performed analysis using on-chain data to understand growth and user acquisition
- Simulated market data to analyze pricing mechanisms and suggest improvements; created financial models of the product's economics
- Worked with product to redesign offering according to modeling, analysis, and market research
- Developed and maintained front ends using React & Node.js
- Built data pipelines and dashboards for key operational insights into on-chain data
- Partnered with operations to build and implement security policies and practices

Project Experience

D-Risk (2023) - ETHWaterloo hackathon - *Backend and data engineer*

- Created a DeFi risk framework for cross-protocol analysis
- Gathered lending data for AAVE and Compound instances using Subgraphs
- Modelled cross-protocol liquidation risk following a price shock

- Iterated through chain-liquidations according to quoted price impact and change in health factor

Superliquidity (2021) - Finalist: Unicode Hackathon

- Used Superfluid to redistribute concentrated liquidity pools according to variance

Braid (2021) - ETHOnline hackathon: Tellor Best Use, Web3 Storage 2nd Place - *Backend engineer*

- Designed a peer to peer preprint archive using OrbitDB on IPFS as a database
- Implemented DAO stack including multisig, SourceCred, and Snapshot
- Designed and implemented the front end using React
- Built UI/UX wireframes and product design in Figma

Open Source Contributions

Project Lighthouse (2022)

Clean-room, open-source custom server for LittleBigPlanet

- Applied cryptanalysis to improve security, allowing for authentication using PSN servers
- Improved moderation features

EDUCATION

University of Guelph

Guelph, ON

Bachelor of Arts in Sociology, Minor in Economics
