

Kevin Park

SMART CONTRACT ENGINEER · SOFTWARE ENGINEER

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"An ever expanding world requires an ever expanding mind."

Summary



A highly experienced Smart Contract Engineer with a strong background in blockchain projects since 2019, and a track record in the pharmaceutical industry as a statistical programmer for 6 years. Expertise in Solidity, EVM, web3 technologies, and development of decentralized applications (dApps). Proficient in ERC standards, smart contract audits, and security best practices.

Passionate about building innovative solutions and driven by the transformative potential of web3 and AI technologies. Adept at learning new skills, keeping up with industry trends, and adapting to the rapidly evolving landscape of blockchain development. Committed to delivering high-quality, secure, and scalable software solutions that meet and exceed the demands of the web3 ecosystem.

Work Experience



Nayms

London (Fully Remote)

LEAD SMART CONTRACT ENGINEER

Feb. 2022 - Present

- Led the development, testing, and deployment of smart contract-related work, which included providing design suggestions and implementing an insurance marketplace.
- Refactored the smart contract codebase to follow the diamond standard upgradable proxy pattern (EIP-2535) and Diamond Storage, AppStorage storage patterns, enhancing maintainability and upgradability.
- Implemented NAYMS ERC-20 token-related smart contracts and integrated Uniswap V3 TWAP oracles for accurate price feeds and token swaps.
- Spearheaded the transition of Nayms' primary smart contract testing framework from Hardhat to Foundry, improving test reliability and efficiency by implementing tests directly in Solidity.
- Developed scripts for smart contract deployment, streamlining the deployment process and reducing human error.
- Collaborated with cross-functional teams to ensure seamless integration of smart contracts with frontend applications and other backend services.
- Conducted regular smart contract security audits and code reviews with Trail of Bits and Quantstamp, ensuring the robustness and safety of deployed contracts.
- Stayed up-to-date with the latest developments in blockchain technology and industry best practices, incorporating relevant knowledge into Nayms' smart contract ecosystem.
- Mentored and provided technical guidance to team members, fostering a culture of knowledge sharing and continuous improvement.

Fruitful Labs

Pennsylvania, USA

FULL STACK ENGINEER

Jul. 2020 - Feb. 2022

- Founded Fruitful Labs to develop innovative web3 products and solutions.
- Launched Love Boat Exchange (<https://loveboat.exchange>), a fork of Uniswap v2 built on the Polygon network, utilizing the Diamond Standard for upgradable smart contracts.
- Leveraged The Graph and GraphQL to create an index of datasets for Love Boat Exchange (<https://info.loveboat.exchange>).
- Designed, deployed, and managed an on-chain rewards system that distributed exchange fees to LOVE token holders, enhancing token utility and fostering community engagement.
- Implemented ERC-20 token vesting contracts for employees and partners of Love Boat Exchange, ensuring fair and transparent token distribution.
- Developed and integrated NFT functionality using ERC-721 and ERC-1155 standards, incorporating the ERC-2981 royalty standard to support creators' revenue streams.
- Seamlessly integrated with the OpenSea API, enabling users to easily manage and trade their NFTs on a popular marketplace.
- Actively managed and moderated community channels on Discord and Telegram, fostering positive engagement and addressing user concerns and inquiries.

GSK plc

Greater Philadelphia Area, USA

SENIOR PROGRAMMER ANALYST & STATISTICAL PROGRAMMER

Jun. 2019 - Jul. 2020

- Provided oversight and programming support for the oncology T-cell therapy project NY-ESO, ensuring accurate data analysis and interpretation.
- Integrated and harmonized study data from multiple sources within the NY-ESO project, enhancing the quality and reliability of results.
- Leveraged extensive knowledge of oncology studies to tackle complex, oncology-specific data derivations, such as determining the last contact date for patients.
- Applied domain knowledge of common statistical methods used in oncology clinical trial studies to improve the accuracy and rigor of data analysis.
- Served as a trainer for the company's graphics training initiative, contributing to the skill development of colleagues in data visualization and presentation.
- Created Tables, Listings, and Figures (TLFs) to support project-specific data reporting and analysis needs.
- Maintained trackers and documentation to ensure optimal communication, collaboration, and workflow across the team.
- Implemented and promoted best practices for programming and quality control, enhancing the overall efficiency and accuracy of data management and statistical processes.

PPD, Inc. (Pharmaceutical Product Development)

Greater Philadelphia Area, USA

LEAD PROGRAMMER ANALYST

Dec. 2014 - Jun. 2019

- Served as the lead programmer and lead quality validator on multiple projects, managing resources, timelines, and team members while maintaining a strong focus on quality and clear communication.
- Oversaw the work of other programmers on the team, ensuring adherence to best practices, accurate traceability of work, and fostering a collaborative environment.
- Leveraged expertise in SAS, SQL, and macro suites to create and validate safety and efficacy tables, listings, figures, as well as SDTM and ADaM datasets for various clinical trials.
- Developed and implemented efficient macros to streamline programming processes, enhancing team productivity and reducing project turnaround times.

Education



Temple University

Philadelphia, Pennsylvania, USA

B.S. IN BIOCHEMISTRY

Sep. 2008 - May. 2012

- Made Dean's list Spring semester 2012 (3.83 science/overall GPA).

Extracurricular Activity



EthGlobal - Eth Tokyo

Tokyo, Japan

HACKER

Apr., 2023

- Developed a Minimum Viable Product (MVP) for a smart contract AI analysis tool, showcasing its potential applications in the blockchain ecosystem.
- Our team was awarded a prize from Filecoin FVM in the Primitives, Infrastructure, and Tooling category, recognizing our innovative solution and technical expertise.

Jefferson University SAS Programming Certification for the Pharmaceutical Industry

Greater Philadelphia Area, USA

INSTRUCTOR

2015, 2016, 2017, 2018, 2019

- Instructed the Validation and Verification Programming class, teaching students the best practices and techniques for ensuring high-quality SAS programming in the pharmaceutical industry.
- Developed a comprehensive curriculum and materials for the Validation and Verification Programming class, ensuring that students received a thorough understanding of the subject matter.

Highlighted Skills



Languages	Solidity, Huff, JavaScript, TypeScript, Python, SAS, SQL, Rust, HTML, CSS
Blockchain & Web3	Ethereum Virtual Machine (EVM), ERC-20, ERC-721, ERC-1155, ERC-2981, EIP-2535, IPFS, L2 Scaling
Tools & Frameworks	Foundry, Hardhat, ApeWorx, The Graph, Metamask, React, Redux, Node.js, Git, Web3.js, Ethers.js
Testing & Security	Solidity Testing (Fork Integration, Fuzz, Invariant), SC Audits, Code Reviews, Security & Gas Optimization Best Practices
Protocols & Concepts	Uniswap, OpenSea, Aave, Compound, Governance Tokens, DAOs, Tokenomics, Cross-Chain Bridges, Staking
Domain Knowledge	Oncology Clinical Trials, Statistical Analysis, Data Management, SAS Programming, CDISC Standards (SDTM, ADaM)