

NICHOLAS LEE

[armin97660@gmail.com] • [California, US] • [https://github.com/happy-armin]

SUMMARY

Dynamic and results-driven Blockchain Engineer with over 5 years of comprehensive experience in designing, developing, and implementing innovative blockchain solutions. Proficient in a variety of programming languages and frameworks, I have a proven track record of leveraging cutting-edge technologies to enhance system efficiency and security. My expertise includes smart contract development, decentralized applications (dApps), and blockchain architecture design. Eager to contribute my skills and creativity to a forward-thinking organization, I am dedicated to pushing the boundaries of what blockchain technology can achieve.

SKILLS

Frontend: JavaScript | TypeScript | React.js | Vue.js | Angular | Web3.js | Ethers.js | Electron.js

Backend: Solidity | PostgreSQL | MongoDB | GraphQL

Other: Git | Jenkins | Testing & QA | Jira | Linux | Vim | VS Code | Docker | AWS | DevOps

EXPERIENCE

[StakeWise Finance], California, US

Jan 2023 - Nov 2024

Core Smart Contract Developer

<https://www.stakewise.io/>

- **Designed and implemented** robust smart contracts for Ethereum 2.0 staking, enabling users to stake and unstake their assets seamlessly. Enhanced the staking process, resulting in a **30% reduction in transaction times** and improved user experience.
- Developed and fine-tuned a sophisticated leverage strategy that empowered users to optimize their yield potential. This strategy **boosted average user returns by 16.8%** while effectively implementing comprehensive risk management protocols, resulting in a **23.33% decrease in user exposure to market volatility**.
- **Reduced gas fees by 10%** through efficient contract coding and optimization techniques, significantly lowering user costs.
- Conducted thorough audits and implemented security measures that mitigated risks of potential vulnerabilities, resulting in a **zero incident rate** post-deployment.
- Worked closely with cross-functional teams to ensure seamless integration of smart contracts with front-end applications and authored comprehensive documentation and tutorials for developers and users, and **reduced support inquiries by 35%**.
- Successfully launched a major update to the staking protocol that **increased user engagement by over 30%** within the first month and assisted to a significant increase in total value locked (TVL) in the protocol, achieving a **37.02% growth** in user assets staked over a six-month period.

[Sudo, Inc], California, US

Apr 2021 - Oct 2022

Smart Contract Developer

<https://sudoswap.xyz/>

- **Engineered** and deployed over **4 core smart contracts** for the Sudoswap Automated Market Maker (AMM), focusing on the **swap router** and **pair functionalities**, which improved transaction efficiency by **25%**.
- **Developed** a comprehensive liquidity pool system accommodating **ERC-721** and **ERC-1155** tokens, enabling **over 50 LPs** to seamlessly contribute diverse asset types; drove liquidity growth by elevating overall market engagement within four weeks.
- **Led** the development of advanced features in the swap router, facilitating **multi-token swaps** that improved user engagement, with a recorded **30% increase in transaction volume** during the first quarter after implementation.
- **Conducted** comprehensive audits and resolved **15+ identified vulnerabilities**, ensuring the security and integrity of the smart contracts, which contributed to a **zero incident** record in platform security over a **12-month period**.

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- Successfully launched the Sudoswap AMM platform, attracting over **5,000 users** and facilitating over **100,000 transactions** within the first quarter post-launch and recognized for outstanding contributions, leading to a **60% increase in user retention** and engagement metrics.

[Digital Era Global], California, US

Jan 2020 - Feb 2021

Web3 Front-end Developer

<https://tokenlon.im/>

- **Spearheaded** the development of the Swap page using React and TypeScript, contributing to a platform that serves over **15,000 daily active users**, enhancing user engagement and retention.
- Collaborated with a cross-functional team of 8 developers and UI/UX designers to optimize the user interface, resulting in a **40% reduction in transaction processing time** and a **20% increase in user satisfaction ratings** based on feedback surveys.
- Implemented Web3 technologies to facilitate seamless cryptocurrency swaps across **50+ ERC20 tokens**, improving accessibility for a diverse user base and expanding trading options.
- Carry out comprehensive testing and debugging, achieving a **30% decrease in transaction failures**, thereby enhancing the reliability of the platform and reducing user complaints.
- Authored detailed documentation and performed training sessions on best practices in React and TypeScript, fostering a collaborative learning environment that enhanced team efficiency by **25%**.

[Byteball Foundation], California, US

Mar 2019 - Nov 2019

Front-End Developer (Electron.js)

<https://obyte.org/>

- Developed and implemented the “RECEIVE” tag feature in the main user interface of the Obyte Wallet desktop application using **Electron.js**, enhancing user experience and functionality.
- Collaborated with a team of **5** developers to design and optimize UI components, resulting in a **20% improvement** in application responsiveness.
- Facilitated user testing sessions with **50+ users** to gather feedback on the “RECEIVE” tag, leading to iterative improvements that increased **user satisfaction by 40%**.
- Integrated real-time data updates for wallet transactions, ensuring users received instant notifications, which improved **engagement rates by 15%**.
- Maintained and optimized codebases, achieving a **40% reduction in load times** through efficient coding practices and performance enhancements.
- Participated in regular code reviews and agile development meetings, contributing to a **25% increase** in team productivity through effective collaboration and knowledge sharing.

[SkyLab Holding], Singapore

May 2017 - Dec 2018

Front-End Developer (React.js)

<https://www.fairprice.com.sg/>

- Developed and optimized user interfaces for the FairPrice e-commerce platform using **React.js**, enhancing the overall user experience for over **700k monthly visitors**.
- Worked with a cross-functional team of designers and back-end developers to implement responsive design principles, resulting in a **30% increase** in mobile user engagement.
- Developed the integration of RESTful APIs, improving data fetching efficiency and reducing load times by **25%**, which contributed to higher customer satisfaction ratings.

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- Conducted code reviews and provided mentorship to junior developers, fostering a culture of knowledge sharing and improving overall team productivity by **15%**.
- Participated in Agile ceremonies, contributing to sprint planning and retrospectives, which enhanced team collaboration and project delivery timelines by **20%**.

EDUCATION

2012 - 2017 | TMC Academy, Singapore

Bachelor of Science in Information Technology