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Adam Lee

Summary

A proficient blockchain engineer with 10 years of experience, interested in contributing expertise in web and blockchain development.

Deeply knowledgeable in distributed ledger, blockchain security, blockchain architecture patterns, and different blockchain standards and ecosystems.

Capable of excelling as part of a team or individually in a fast-paced environment.

Experienced Developer professional with strong leadership and relationship building skills.

Skill Highlights

- Blockchain
- Mobile Development
- Server Management
- Web Development
- Leadership
- DB Management

Experience

Senior Blockchain Engineer 03/2021 to 05/2021
Refinable

- Built first NFT marketplace of digital arts on Binance Smart Chain with ERC-721, ERC-1155 for NFT and ERC-20 for governance, utility token.
- Developed whole smart contract from scratch and audited by SlowMist.
- Implemented token bridge between Binance and Ethereum so that users are able to migrate their NFTs from ETH to the platform.
- Developed basic functionalities of NFT Marketplace such as sale, auction, airdrop and used proxy for service fee calculation.
- Added NFT fractionalization so that users can co-won NFT and decide further steps like sale, auction, airdrop together.
- Built on-chain & off-chain governance protocol with utility token so that users are able to make decision of adding new features and modifying current functionalities of platform.
- Gave monthly reports to executive management regarding current developments, and tracked changes in existing software.

Blockchain Lead Developer   03/2020 to 02/2021
Ondream Software

- Built famous decentralized gaming platform like virtual world where players can build, own and monetize their gaming experiences in the Ethereum blockchain using the main utility token of the platform.
- Developed Decentralized Autonomous Organization (DAO) where token holders are able to participate in governance of the platform and exercise voting rights on key decisions of the platform.
- Implemented staking-reward mechanism so that users can make more money with utility token.
- Developed metaverse on the platform using ERC standards so that users are able to host content (ASSETS and GAMES).
- Oversee a team of eight software developers and lead weekly discussions to brainstorm ideas in software development and to track changes made in existing programs.
- Ran monthly unit tests to determine software effectiveness and mend broken links or glitches in the system.

Blockchain Developer   01/2020 to 12/2020
CIMB
- Built biggest decentralized social network on cross-chain which has similar functionalities like facebook where users can create no-code customizable decentralized apps, and communities, tokenize assets, stake, swap, and lend, using next-gen Defi tools, focusing on alternative assets.
- Developed cross-chain bridge to increase user experience and funding.
- Expanded treasury by integrating staking-rewards platforms like yearn, curve …
- Tokenized most of kind of assets to increase user experience by using fliecoin, videocoin …
- Added staking functionality so that users are able to stake their token and get rewards for it.

Blockchain Developer   05/2019 to 12/2019
Rackspace
- Built user-friendly crypto wallet for shopping so that users are able to earn crypto cashback.
- Developed wallet as chrome-extension, mobile app, desktop app to increase user experience.
- Implemented token bridge so that users can exchange their assets between different blockchain networks.
- Built governance token to give users the power to vote on both company and community-raised proposals.
- Developed staking-rewards mechanism so that users stake utility token and can get governance token as rewards.

Blockchain Specialist   07/2018 to 05/2019
Grab
- Built decentralized financing (Defi) platform, that acts as an energy project launchpad for energy developers to help finance their individual projects at competitive rates.
- Developed testdemo with faucet on testnet so that users are able to test our platform.

- Developed farm, lending feature so that users can increase their assets with the utility token.
- Listed projects to a global marketplace for people to view and buy in real-time.

Fullstack Developer   06/2016 to 07/2018
Toptal
- Developed new infrastructure to easily handle over a million client files.
- Built innovative microservices and Web Services (incl. SOA/SOAP/REST/XML).
- Consistently achieved 100% compliance with industry best practices
- Engineered modern applications with React, Node, Angular, React-Native, PHP, SQL.
- Engineered modern cloud infrastructure to store millions of client data points with full consideration for modern infosec.
- Cooperate diligently with other IT team members to plan, design, and develop smart solutions.
- Transformed existing software to correct errors, upgrade interfaces, and improve efficiency.
- Consulted regularly with customers on project status, proposals and technical issues.
- Implementing web design and development principles to build stable software.
- Built reusable code and libraries for future use.

Senior Software Engineer   09/2014 to 06/2016
F-Secure
- Participated in creating scalable systems for three primary departments, including human resources, marketing, and supply chain.
- Reduced security breaches by 84%.
- Worked closely with product team on scope of future projects and innovations.
- Spearheaded implementation of watertight Principle of Least Authority across 100% of software engineering and associated team members.
- Built innovative user account control (UAC) features into new products to exceed industry standards and achieve 100% compliance with best practices.
- Led team of 5 junior software engineers undertaking the software development life cycle for 9 bespoke client projects.
- Liaise with network administrators, systems analysts, programmers, and other software engineers to resolve any defects in products or company systems.
- Knowledge of technology trends, including but not restricted to front end & back end technologies, Rapid Prototyping, Behavior Driven Development, trends in Social Networking/Media, Video and Streaming.
- Bringing mock-ups to life using JavaScript Libraries.
- Reduced build time of Vectorworks Nomad by 30% by splitting the app in to modules.
- Software design and development while remaining concentrate on client needs.

Lead Developer 9/2012 to 09/2014
ITCAN
- Efficiently deployed and integrated software engineered by team and updated integration/deployment scripts to improve continuous integration practices.
- Researched best practices to share with fellow software team members.
- Presented to management an end-of-term demonstration on valuable software developments that were in the works. Maintained a system for documenting code and keeping track of software developments.
- Researched primary technological developments to determine whether implementation into organizational processes was efficient and feasible.

- Participated in strengthening the company's backend services to optimize usage and prepare for emergency blackouts.
- Developed and designed three critical software programs for financial tracking and reporting.
- Optimized user effectiveness by creating a detailed feedback queue for users to discuss functionality, convenience, and effectiveness.
- Collaborated with co-workers to establish backend conventions, principles, and patterns.
- Design, develop, troubleshoot, debug, test, ensure browser compatibility, and implement website code by using PHP, Laravel and My SQL server.
- Investigation, design, and implement scalable applications for data identification, analysis, retrieval, and indexing.
- Improved app ranking and reviews from 3.5 to 4.8 stars after joining.
- Published 8 different apps for each of the company's products.

Education

Bachelor of Science: **Computer Science** 2008-2012
National University of Singapore (NUS)