

# Kai Jie Lee

## Blockchain Full Stack Developer

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### SUMMARY

Experienced Blockchain Full Stack Developer with over 7+ years of expertise in building scalable, secure, and user-friendly decentralized applications (**dApps**) and **smart contracts**. Specialized in **DeFi** platforms, blockchain integration, and **Web3** solutions across multiple blockchain ecosystems. Proven track record of delivering high-impact projects in various sectors, including finance, supply chain, and **NFTs**. Adept at leveraging cutting-edge technologies like **Solidity**, **Rust**, and **Web3.js** to create seamless decentralized solutions, with a keen focus on security, scalability, and performance.

### SKILLS

- **Blockchain Technologies:** Ethereum, Solana, Polkadot, Solidity, Rust, Web3.js, IPFS, Smart Contracts
- **Frontend Development:** React, Angular, Vue.js, HTML5, CSS3, JavaScript, TypeScript
- **Backend Development:** Node.js, Express.js, MongoDB, PostgreSQL
- **DeFi Protocols & Platforms:** Uniswap, Compound, Aave, PancakeSwap
- **Tools & Frameworks:** Hardhat, Truffle, Ganache, Docker, Git, AWS, Firebase
- **Languages:** Solidity, Rust, JavaScript, TypeScript, Python
- **DevOps & Cloud:** Docker, Kubernetes, CI/CD Pipelines, AWS, Azure
- **Others:** IPFS, Chainlink, Web3 Integration, DeFi Protocols, DEX Integration

### WORK EXPERIENCE

**Full Stack Developer**  
**Microsan Consultancy Services**

*Feb 2024 - Present*  
**Folsom, California, United States**

- Spearheading the development of decentralized applications (dApps) with both Web and mobile interfaces, focusing on seamless integration of blockchain technologies.
- Building and deploying smart contracts across multiple blockchain platforms, enhancing the performance and scalability of decentralized solutions.
- Contributing to the design and architecture of DeFi platforms, ensuring security, efficiency, and user-centric features.
- Utilizing modern frameworks like React and Node.js alongside Solidity, Rust, and Web3.js for end-to-end blockchain solutions.
- Engaging with clients to deliver custom blockchain solutions, ensuring that specifications are met while adhering to best practices in development.

## **Blockchain Developer**

### **SpeCtre**

*Mar 2021 - Oct 2023*  
**Limassol, Limassol, Cyprus**

- Designed and implemented smart contracts for multiple decentralized finance (DeFi) projects, streamlining the user experience and improving transaction efficiency.
- Developed and maintained front-end components of decentralized applications (dApps) using React, Web3.js, and IPFS to facilitate blockchain interactions.
- Optimized the deployment and operation of smart contracts on Ethereum and other blockchain networks, reducing gas costs and increasing transaction throughput.
- Worked with a team to integrate dApps into existing ecosystems, improving user interactions and providing a more seamless experience.
- Participated in code reviews and collaborated with cross-functional teams to drive the successful completion of multiple blockchain projects.

## **Blockchain Developer**

### **HexaCore**

*May 2018 - Nov 2020*  
**Warsaw, Mazowieckie, Poland**

- Developed a range of blockchain-based applications, with a focus on smart contract development for supply chain and DeFi applications.
- Created decentralized ledger systems to improve transparency and traceability in blockchain transactions.
- Engineered solutions for secure tokenization of real-world assets, integrating blockchain technology with existing business models to enhance operational efficiency.
- Contributed to the creation and implementation of a custom consensus algorithm to optimize the speed and reliability of blockchain networks.
- Led the integration of secure wallets and decentralized exchanges (DEXs), ensuring compatibility across different blockchain networks.

## **Web Developer**

### **Kaz Software**

*Sep 2015 - Mar 2018*  
**Dhaka, Dhaka, Bangladesh**

- Developed web applications using modern technologies, including JavaScript, HTML5, CSS3, and AngularJS.
- Collaborated with blockchain teams to integrate web-based front-end solutions with blockchain backends.
- Implemented APIs and integrated third-party libraries to create a seamless user experience.
- Ensured high-quality code and robust functionality by following agile methodologies and working closely with clients.

## **EDUCATION**

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### **National University of Singapore**

*Sep 2011 - Jun 2015*

#### **Bachelor's degree, Computer Software Engineering**

Bachelor's degree in Computer Software Engineering from the **National University of Singapore (NUS)**, where I built a solid foundation in software development, algorithms, and systems design. My education equipped me with the technical skills and problem-solving abilities essential for building blockchain solutions and decentralized applications.

## CERTIFICATIONS

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- **Certified Frontend Developer (React)**
- **Certified Software Engineer**
- **Advanced Solidity Developer (2023)**

## PROJECTS & CONTRIBUTIONS

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- **DeFi Lending Platform:** Designed and developed a decentralized lending protocol using Ethereum smart contracts, providing users with the ability to lend and borrow assets securely with interest rates determined algorithmically.
- **NFT Marketplace:** Led the development of an NFT marketplace with integrated wallet support, enabling users to mint, buy, and sell digital assets directly on the blockchain.
- **Supply Chain Tracker:** Built a decentralized supply chain tracking system using blockchain for transparency in logistics, reducing fraud and enhancing operational efficiency.