

# Mikel Lee

## BLOCKCHAIN FULL STACK DEVELOPER

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### Education

**Bachelor of Science in Computer Science, University of Calgary**

2010-09 – 2014-06

### Profile

Full Stack Developer with 7 years experience and blockchain Developer with 4 years experience with

- Experience with blockchain platforms such as Ethereum, AION, and Hyperledger.
- Knowledge of blockchain concepts such as distributed ledger technology, consensus algorithms, and smart contracts.
- Familiarity with blockchain development tools such as Truffle, Remix, and Ganache.
- Experience with web3.js and other blockchain development libraries.
- Knowledge of cryptography and security principles in blockchain development.
- Experience with back-end development technologies such as Node.js, Python, and SQL.
- Strong communication skills and ability to explain complex technical concepts to non-technical stakeholders.

### Skills

- C/C++, Java, Python
- MongoDB, MySQL, PostgreSQL
- Truffle, Ganache
- HTML, CSS, JavaScript, TypeScript
- Ethereum, Hyperledger, Corda, Bitcoin, EOS, Stellar
- Node, Web3, Antd, Vue, Angular, React

### Professional Experience

**Blockchain Developer, Coinbase(Remote)**

2020-02 – 2023-03

- Created a permissioned blockchain with the newly implemented consensus.
- Refactored the core blockchain to allow higher transactions per second.
- Developed smart contracts for testing new blockchain features.
- Improved gas savings from token transfers by 85% using encoding design inspired by the Balancer Labs Protocol and adding an internal balance accounting and ERC-20 fungibility to the governance token.
- Designed a wide modular Python trading engine to auto-rebalance RW's \$45M portfolio utilizing private and public market makers on the Ethereum network.
- marketplace, which allowed 8.6K developers to accept cryptocurrencies.

**Full-stack Developer, Aera Technology**

2016-12 – 2019-12

- Refactored an old monolithic codebase into modular components. This involved breaking down the codebase into smaller, more manageable pieces, which allowed for easier maintenance and scalability.
- Created a visual programming tool that enabled non-technical people to build applications without needing to write code. This tool was designed to be user-friendly and intuitive, allowing users to drag and drop components to create their desired application.
- Developed a visual UI building framework that allowed non-technical users to create custom user interfaces for their applications. This framework was designed to be flexible and adaptable, allowing users to create interfaces that met their specific needs.

- Implemented a dynamic UI rendering software based on JSON configuration. This allowed the tool to render user interfaces in real-time, providing users with immediate feedback on their changes.
- Trained BI developers to use the tool. This involved providing training sessions and documentation to help developers understand how to use the tool to build applications. Efforts in developing the visual programming tool and training BI developers helped to improve the efficiency and productivity of the development team at Aera Technology.

**Web Developer, TRM Labs**

2014-08 – 2016-10

- Implemented React High-Order-Components along with Antd. This involved creating reusable components that could be used across multiple applications, which helped to improve the efficiency of the development process.
- Implemented REST APIs with FeathersJS. This allowed for seamless communication between the front-end and back-end of the applications, providing users with a smooth and responsive experience.
- Wrote Blockchain-related helper functions. These functions were designed to help developers integrate blockchain technology into their applications, providing users with added security and transparency.
- Worked on the styling of React components along with Styled-components. This involved creating visually appealing and user-friendly interfaces that were easy to navigate and understand.
- Used Enzyme, Jest, and Chai for testing. This allowed you to identify and fix any bugs or issues before the applications were released to users. Additionally, used Lerna for packaging resources, which helped to streamline the development process and improve the efficiency of the team.