

# Adrian Lawson

## Web3 Smart Contract And Backend Developer

Web3 expert with over 2 years of experience in building decentralized applications and smart contracts using Solidity, Javascript, and NodeJS. Proven ability to design, develop, and deploy secure, scalable, and high-performance blockchain solutions. Strong skillset in backend web development and a passion for creating decentralized technology that empowers people.

### Work History

#### 2022-09 - **Smart Contract Developer**

Current

*Bitus Labs, Irvine, CA*

- Lead development of Omnihorse Solidity smart contracts ecosystem, including smart contracts for NFTs, Staking, and ERC-20 Token
- Audit smart contracts using Hardhat and Echidna
- Save customers 22% per transaction by optimizing smart contract gas performance
- Secure over \$200,000 in smart contracts
- Ensure site reliability by developing and maintaining backend infrastructure (REST API) using Node.js, Express, AWS, and GCP

#### 2021-04 - **Smart Contract Engineer**

2022-09

*Fandem, Laguna Niguel, CA*

- Led Solidity smart contract development for over one dozen custom blockchain projects for brands such as Bose, Warner Records UK, Glory Kickboxing, Probably Nothing, Food Fight Studios, and more

##### **Glory Kickboxing**

- Utilized Solidity to develop the first ever fully decentralized, peer-to-peer combat sports NFT marketplace (Glory Smacks)
- Architected NFTs based on OpenZeppelin's ERC1155 token standard
- Smart contracts feature an upgradeable pattern as well as automatically enforced royalties on

### Contact

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### Technical Profile

- Solidity
- Ethers.js/Web3.js
- Hardhat
- ERC-20
- ERC-721
- ERC-1155
- EIP-2771
- OpenZeppelin
- Node.js
- Express.js
- RESTful API
- React
- Google Cloud Platform
- Python

### Skills

Smart Contract  
Development and Testing  
Backend Development  
API Development

secondary marketplace transactions

- Over 15,000 users have interacted with Glory Smacks

#### **Bose/Warner Records UK**

- Wrote and tested Solidity smart contract for Stickmen Toys, by Warner Records UK in partnership with Bose
- Stickmen Toys was a free mint NFT using the ERC721A token standard
- Stickmen Toys smart contract features a whitelist enforced by merkle tree cryptography
- Minted out in seconds and has a secondary trade volume of over 1,400 ETH

#### **Food Fight Studios**

- Developed Solidity smart contracts for an NFT project around a novel and video game (The Battle Bunnies)
- Smart contract features whitelist enforced by merkle tree cryptography and ownership of a previous NFT collection (TBB Genesis)
- Created unique payout function to automatically disperse the smart contract's balance to several contributors to the project according to the percentage they were due

#### **All Projects**

- Conducted thorough smart contract testing using Hardhat
- Converted high level ideas into technical requirements and formulated development plans for each project
- Constructed backend infrastructure using Node.js, Express, and Google Cloud Platform
- Engineered standardized processes and tests to cut development time of each smart contract by 88%
- Secured over \$500,000 in smart contracts

## **Education**

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2019-08 -  
2021-05

### **Bachelor of Science: Computer Science**

*California State University - Fullerton - Fullerton, CA*

Blockchain Development

Gas Optimization

DeFi

NFT

Project Planning