

# David Kuczynski

Full Stack Blockchain Developer

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## OBJECTIVE

Seasoned Full Stack Blockchain Developer with over 7 years of expertise in crafting decentralized applications across multiple platforms, including Ethereum, Solana, and Internet Computer. Proven track record of delivering 10+ Dapps. Adept at utilizing cutting-edge development tools and methodologies to drive innovation in blockchain solutions.

## SKILLS

- Blockchain: Solana, Internet Computer, Ethereum
- Languages: Rust, TypeScript, Node.js, Solidity, Python
- Database: PostgreSQL, MySQL, MongoDB, AWS DynamoDB
- Framework: React, Next.js, Redux, Anchor framework, Axum
- Cloud Service: AWS Lambda, AWS S3, AWS KMS, AWS E2
- DevOps: Docker, CI/CD pipeline, Scrum Activity
- Soft Skills: Critical thinking, Problem Solving, Business mind

## EDUCATION

### Bachelor's Computer Science

Sep 2012 — Aug 2016

Wroclaw University of Science & Technology

## LANGUAGES

- English | Native
- Chinese | Native

## EXPERIENCE

### Project Auditor

Nov 2024 — Present

Alethea AI – Singapore

- Conducted comprehensive smart contract audits for a Solana-based generative AI meme coin trading platform, identified and resolved 2 critical and 11 medium-severity bugs in Anchor-based smart contracts through manual code review, fuzz testing, and rigorous testing on Devnet.
- Audited backend and frontend code responsible for launching token pairs on Raydium and the platform via Raydium SDK, uncovering critical issues in code architecture, blockchain integration, and error handling.
- Authored 9 detailed audit reports, including bug descriptions, severity levels, and actionable recommendations, contributing to the platform's robustness and reliability.

### Full Stack Blockchain Developer

Oct 2023 — Sep 2024

Geniusee – Middletown, Delaware

Developed a DeSci publishing platform on the Internet Computer blockchain:

- Designed and developed over 150 backend APIs for a De-Sci publishing platform on the Internet Computer blockchain including user authentication using Internet Computer chain identity, role management, peer review systems, and posting/commenting/publishing functionalities.
- Built a React-based frontend with Redux, implementing skeleton loading and lazy loading to optimize performance, reducing delays by over 20% during real-time peer review.
- Deployed backend and frontend on the Internet Computer blockchain using WASM and canisters for seamless integration.
- Developed an ERC-20 custom token and Solidity smart contract for an ICO, raising over \$2 million through Uniswap integration.

Developed Telegram Mini-app Tap-To-Earn Game

- Created over 100 APIs for user management, game point systems, and seamless integration of Telegram Stars, TON Coin, and USDT as payment methods.
- Built a customized Telegram bot to enhance user engagement and streamline in-game interactions.
- Developed dynamic game animations using React and Canvas, delivering an immersive and responsive gaming experience.

### Full Stack Rust Blockchain Developer

Mar 2021 — Sep 2023

Flip Games Ltd — Limassol, Cyprus

Developed Gambling Site Flip.gg based on Solana blockchain:

- Engineered a robust back-end system using Rust, encompassing user management, LootBox cases, wallet integration, reward systems, and a battle game.
- Implemented secure smart contracts in Rust with the Anchor framework for LootBox cases and battle game mechanics
- Contributed to front-end development, creating a user-friendly interface with React.js and TypeScript

Developed NFT marketplace alpha.art based on Solana blockchain:

- Developed a comprehensive back-end system, including an NFT collection-minting system and reward mechanism
- Implemented a platform fee structure, resulting in a 10% increase in platform profits.
- Optimized the user interface, improving platform loading speed by 10% through the use of skeleton loading and lazy loading techniques.
- Crafted smart contracts for platform fees, wallet integration, and NFT buy/sell reward systems.

### Blockchain Developer

Mar 2020 — Feb 2021

Professional Development — Wroclaw, Poland

- Self-initiated learning journey into blockchain technology and smart contract development.
- Gained expertise in Rust and Solidity for creating decentralized applications and tokens.
- Designed and tested smart contracts for use cases such as staking platforms, token vaults, and governance systems.
- Studied blockchain protocols like Ethereum and Solana.

### Full Stack Developer

Jan 2018 — Mar 2020

Honeycomb Software — Wroclaw, Poland

- HTML5/JQuery JavaScript Game Development: Developed an educational game using HTML5 and JQuery JavaScript to teach arithmetic, incorporating elements such as user input, timing mechanisms, graphics, and vector mathematics.
- Project Involvement and Software Development: Involved in a variety of projects, including website development, cross-platform mobile app development, and the creation of a fitness website, mobile app, and headless CMS platform.

### Assistant System Administrator

Jan 2017 — Dec 2017

Honeycomb Software — Wroclaw, Poland

- Provided technical support for hardware and software issues to ensure smooth operations.
- Configured and resolved printers and network issues.
- Implemented and managed MySQL database migrations to facilitate schema evolution and version control in production environments.