

# ZUHAIB MOHAMMED

Blockchain Developer | Blockchain Security | Solidity | Rust | Blogger

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## Summary

Independent Smart Contract Developer and Security Researcher working across both the EVM and Solana ecosystems, with hands-on experience in 60+ development and audit engagements. My expertise spans Solidity-based Ethereum protocols as well as Rust/Anchor-based Solana programs, covering DeFi, DAOs, Liquid Staking, gaming, and core token standards.

I focus on building secure-by-design systems and delivering end-to-end security reviews, covering architecture analysis, threat modeling, exploit discovery, and remediation.

## Skills

### Programming Languages, Frameworks & Tooling:

Solidity · Rust · JavaScript · TypeScript · Solana · EVM · Blockchain · DeFi · Foundry · Anchor · Fuzzing · Trident · Cursor · ChatGPT · Claude Code · Open Zeppelin · EVM · Remix IDE · Hardhat · Ethers.js · Yul · web3.js · Git · Layer 2 · Ethereum · Cryptography · Web3 · DApps · Cross Chain · Uniswap · Chainlink · IPFS · Aave · Metamask · DAOs · Slither · Layer 2 · Proxy · RWA · x402

## Experience

### Independent Contractor

Remote

#### Smart Contract Developer / Security Auditor

01/2023 - Present

A leading provider of secure and efficient blockchain solutions, specializing in smart contract development and auditing.

- Contributed to development and security engagements with **33Audits** and **Inverter Network**, working on cross-chain payments, funding mechanisms, and lending/borrowing protocols.
- Designed and implemented end-to-end smart contract architectures across both **EVM (Solidity)** and **Solana (Rust/Anchor)** ecosystems, including upgradeable patterns, PDA design, CPI flows, access control systems, and modular protocol structures.
- Developed and audited contracts across diverse verticals including DEX, OTC platforms, staking protocols, **ERC-4626 vaults**, NFTs, and **Solana SPL**-based programs.
- Implemented Solidity patterns: custom accounting logic, EIP-712 authorization, permissioned flows, and gas-optimized design.
- Partnered with RektOff, Secure3, and Audit One for protocol reviews. Conducted architecture analysis, exploit discovery, and remediation validation.
- Completed specialized smart contract development and security bootcamps through **RektOff**, **Encode Club**, **Quill Audits**, **YAcademy**, **OxMacro**, and **Atrium Academy**, strengthening expertise in offensive and defensive blockchain security.
- Maintain a technical **Medium blog** with **450+ followers**, where I publish in-depth articles on EVM and Solana security patterns, real-world exploits, and protocol design insights.

### Qualys Security TechServices Private Limited

Pune, India

#### Security Signature Engineer

08/2021 - 04/2023

The leading provider of information security and compliance cloud solutions.

- Conducted research on the latest vulnerabilities, including Proof of Concept (PoC) development and exploitation in lab environments.
- Developed vulnerability signatures across a range of products, including VMware, JIRA, Adobe, and Microsoft.
- Provided support and resolved queries for customers such as Apple and Amazon.

### Honeywell Technology Solutions

Bangalore, India

#### Software Engineer

01/2017 - 06/2021

Pioneer in automation control & excels at enabling the creation of high-quality, high-performance chemicals and materials.

- Implemented a Python script that saved approximately 10 hours of manual effort by extracting data on DLP agents across the network.
- Developed and integrated features via backend and frontend code, along with corresponding unit test cases.
- Created and tested REST APIs, ensuring CRUD operations and authorization checks using Postman.
- Tested web applications for OWASP Top 10 vulnerabilities, including SQLi, CSRF, XSS, and IDOR, and provided appropriate fixes.

## Education

### Ramaiah Institute Of Technology

Bangalore, India

#### Bachelor's Degree in Computer Science

## Certifications

### eLearnSecurity Junior Penetration Tester (eJPT)

### Certified Ethical Hacker(CEH v10)