T R Zuhaib Mohammed | Smart Contract Engineer

▪ **[Email](#)** ▪ **[Github](#)** ▪ **[LinkedIn](#)** ▪ **[Twitter](#)** ▪ **[Portfolio](#)** ▪ **[Blog](#)** ▪ **[Telegram](#)** ▪ **Bangalore, India (5:30 UTC)**

With a **4 years** background in **software engineering**, **2 years in cybersecurity**, and **3+ years in blockchain domain**. I work as an Independent **Smart Contract Developer and Security Researcher** across both the **EVM** and **Solana** ecosystems. I have hands-on experience from **60+ development and audit engagements**, designing and securing production grade blockchain systems. My work includes building and reviewing protocols and programs across DeFi, DAOs, Liquid Staking, Gaming, and other 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.

Key Achievements

- Audited smart contracts securing **$200M+ in cumulative TVL across DeFi, lending, and omnichain protocols**, NFTs, Gaming, Staking,
- Currently **ranked 4th** on the [AuditOne](#) Private Audit leaderboard, with over **60+ issues** identified across various protocol designs in both **Solidity** and **Rust** codebases.
- Contributed to the implementation of a crypto fundraising module (**Funding Pot**) for [Inverter Network](#), with custom access control for new users seeking fundraising.
- Helped build the [ProphetBot](#) team, a **Uniswap** wrapper that enabled customized bot trading through Telegram, generating over **$2M in transaction volume** on [Ethereum Mainnet](#).

Technical Skills

- **Programming Languages:** Solidity, Rust, Typescript, Javascript, Python, C#
- **Development:** Forge, Anvil, Cast, Anchor, Cursor, ChatGPT, Claude Code
- **Security & Testing:** Slither, Foundry Fuzzing
- **Blockchain & Protocol Expertise:** EVM, Solana, Ethereum, Layer 2, Proxy Patterns, Cryptography, Cross-Chain, DeFi, DAOs, RWA, Web3, Uniswap, Aave, Chainlink
- **AI & Productivity Tools:** Cursor, ChatGPT, Claude Code

Experience

[Independent](#) | **Smart Contract Developer / Security Auditor** | **January 2023 - Present**

- Led security reviews for DeFi protocols securing **$200M+ in cumulative TVL**, across protocol themes related to DeFi, Gaming, Bridges, Staking, DAOs, etc.
- Partnered with **Pashov Audit Group, Secure3,** and **AuditOne** for protocol reviews. Identified high-impact vulnerabilities, including improper access control, reentrancy, signature replay risks, unsafe delegate call usage, arithmetic edge cases, business logic issues, precision loss, and multiple flaws prior to deployment.
- Delivered structured audit reports including exploit **Proof of Concepts (POCs)** and remediation validation, improving protocol resilience before launch and reducing post-deployment risk exposure.
- Played a **core development role** on **Floors Finance,** contributing to the architecture and smart contract implementation of a no-liquidation DeFi protocol introducing rising floor price mechanics and leverage design.
- Contributed to **development** 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, incorporating upgradeable patterns, secure PDA design, CPI flows, robust access control mechanisms, permissioned execution flows, gas optimization strategies, and modular protocol structures.
- Participated in audit fixes as a developer for the **RAAC protocol** in collaboration with **Pashov Audit Group**.

- **Core contributor** to **ProphetBot**, a Uniswap-based trading bot integrated with Telegram, which processed over **$2M in transaction volume** on **Ethereum**.
- Maintain a technical **Medium blog (450+ followers)** publishing in-depth articles on **EVM** and **Solana** security patterns, real-world exploits, and protocol design insights.
- Completed specialized smart contract development and offensive security bootcamps through **Rektoff, Pashov Audit Group, Quill Audits, yAudit, 0xMacro, Encode Club, and Atrium Academy**.

[Qualys Inc](#) | **Security Signature Engineer** | **August 2021 - April 2023**

- Conducted research on the latest vulnerabilities, including **Proof of Concept (PoC)** development and exploitation in lab environments.
- Developed **vulnerability signatures** in **Lua** programming language 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](#) | **Software Engineer** | **January 2017 - June 2021**

- Implemented a **Python** script that saved approximately **10 hours** of manual effort by extracting data on DLP agents across the network.
- Developed and integrated customer requested features via backend(**C#**, **.NET**) and frontend code (**Angular**, **Javascript**), 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.

Open-Source Contributions

[DeFiHackLabs](#) | **December 2022**

- Contribute in analysis and reproduction of DeFi hacks and writing a Proof of Concept(PoC) in Foundry.

Projects

[Cyfrin Solana Course](#) | **Rust, Anchor** | **January 2026**

- Developed strong understanding of **Solana architecture**, including accounts, programs, instructions, and transaction flow.
- Completed hands-on Solana development exercises and practical projects focused on security and efficiency.

[Stablecoin](#) | **Solidity, Foundry** | **June 2025**

- Implemented a single-asset (**Ethereum**) stablecoin using an overcollateralization mechanism.
- Developed comprehensive **unit tests** and **fuzz tests** in **Solidity** using the **Foundry** framework.

Education

Professional Qualifications and Certifications

- eLearnSecurity Junior Penetration Tester (**eJPT**)
- Certified Ethical Hacker(**CEH v10**)

Academic Education

- Bachelor of Technology in **Computer Science**. MSRIT University, Bangalore, India