Umar Khatab

Junior Security Researcher

My Github | My Twitter | My LinkedIn

Career Objectives

With 3 years of experience in web3 development, I'm now focusing on security research. I've audited 4 protocols, finding 8 critical issues, 5 highs, and 9 mediums. Currently, I'm delving into auditing Rust-based PLONKish zero-knowledge circuits. My strong interpersonal skills set me apart, and I'm eager to join a team dedicated to securing the web3 space.

Experience

- ❖ **CTF Cracker**
  - ➢ Found **8 Criticals** , 4 Highs and 4 Medium issues in Halborn CTF
  - ➢ **Top 8** in AMAZE X DSS 2023
  - ➢ **Top 20** in Secureum Race-24
  - ➢ Solved Past Secureum Races and Ethernaut and DamnVulnerable DeFi.
- ❖ **Blockchain development Expertise**
  - ➢ Developed and deployed 100+ secure smart contracts across EVM chains
  - ➢ Built 30+ dapps for customer solutions
  - ➢ Proficient in Solidity , Javascript and getting better in Rust
- ❖ **Bug Hunter & Auditor**
  - ➢ Audited three blockchain protocols achieving a leaderboard **rank** of **109** in codehawks.
  - ➢ Found 3 Medium severity issues in Raisin Labs
- ❖ **Blockchain Content Writer | LinkedIn + Youtube**
  - ➢ Released a **EVM Master Class** on Youtube Channel . Check here
  - ➢ Published a beginner-friendly Text based **Blockchain course** on LinkedIn. Check here
  - ➢ Secureum Race **Writeups**. Check here

Skills

Solidity | javascript | Yul | Rust | circom | zkSnarks | Halo2 | Foundry| hardhat | Manual and Fuzz testing | Common vulnerabilities | Layer2s | ZKPs | NFTs | Zero knowledge | DeFi | ERC standards | Understanding DeFi protocols like Uniswap and Compound

Education

- ❖ **Bachelors in Computer Science, Fast Nuces Lahore**
   Availed the opportunity to learn data structures, algorithms, design principles, low-level languages like Assembly and C++ in-depth, and much more.

Certifications & Courses

- ❖ **Yacademy** - Cohort 1 of zero knowledge proofs | In-progress
- ❖ **Secureum** Bootcamp - Epoch ∞ | In-Progress
- ❖ **0xParc** Halo2 zero knowledge proofs Cohort | In-progress
- ❖ **Rareskills** zk-book | Completed
- ❖ **Secureum** Bootcamp - Epoch0 | Completed
  - ➢ Completed, In-depth smart contracts security.
- ❖ **Mastering Ethereum** Book | Completed
  - ➢ Deep dive into Ethereum Virtual Machine (EVM).
- ❖ **DeFi - A Deep Dive** - Coursera | Completed
  - ➢ Comprehensive understanding of decentralized finance protocols.
- ❖ **LearnWeb3DAO** | Completed
  - ➢ Senior Track
  - ➢ Junior Track
  - ➢ Sophomore Track
  - ➢ Freshman Track

Contributions & Community Involvement

- ❖ **Gold Contributor** at LearnWeb3Dao
  - ➢ Actively involved in helping others learn about blockchain and web3 technologies.
- ❖ Blockchain Fundamentals **Course**
  - ➢ Published a free course on LinkedIn to educate on the basics of blockchain.
- ❖ Master Cryptography **Course**
  - ➢ In-progress course on LinkedIn aimed at mastering cryptography.
- ❖ Stacks Clarity **Tutorial**
  - ➢ Created a guide for building a todo app on Stacks blockchain.

Call to action

To discuss about the role further ,i would suggest sending me an email at umarkhatabfrl@gmail.com. Thank you