



Laleh Nourmohamadi

Security Researcher | Blockchain
Engineer | NFT Creator

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📍 EMEA

DoB: August 199X

Skills

Blockchain Engineering| Advanced

NFT Creation (ERC-721 / ERC-2981)
|Advanced

IPFS Metadata Management|
Advanced

Token Deployment (Polygon /
Ethereum)| Advanced

Web Security Testing |Expert

Bug Bounty Reporting| Expert

Ethical Hacking |Advanced

Wallet UX Troubleshooting
|Advanced

GitHub Documentation |Advanced

Digital Archiving & Branding
|Advanced

Ethereum (ERC-20)| Advanced

Binance Smart Chain (BEP-20)

Tron (TRC-20)| Advanced

Token Creation (ERC-20 / TRC-20 /
BEP-20)

LaTeX Typesetting & Presentation
Design| Advanced

Smart Contract Auditing (Solidity,
Ethers.js)

Blockchain Architecture (Polygon,
Arbitrum, ENS)

Web Development (React, Next.js,
Tailwind CSS)

API Testing & Bug Bounty Reporting

Git, GitHub, CI/CD Pipelines

Linux (Kali), Burp Suite, Wireshark

◆ Web Development & Frontend

React.js – Component-based
architecture, hooks, state
management

Profile

🌟 Personal Summary & Career Goals

I am a security researcher, blockchain engineer, and NFT creator with a unique blend of analytical rigor and creative expression. With a Master's degree in Pure Mathematics and a strong foundation in software engineering, I specialize in vulnerability reporting, smart contract development, and digital archiving. My work bridges technical precision with expressive branding, empowering both global and Iranian communities through reproducible artifacts and educational content. I aim to contribute to forward-thinking projects where multilingual insight, ethical awareness, and technical depth are valued.

Education

**Degree Title: MSc in Pure
Mathematics – Analysis in Pure
Mathematics – Analysis**

University: National University Year of
Graduation: 2018

2017 - 2018

Education with Achievements

🧠 MSc – Pure Mathematics (Analysis)

National University – 2018 Achievements:

Developed advanced analytical thinking
used in vulnerability trace analysis

Applied mathematical rigor to smart
contract auditing and bug bounty reporting

Created reproducible scripts for GMX and
Balancer based on mathematical modeling

**Degree Title: BSc in Software
Engineering in Software Engineering**

University: Benab University

2009 - 2011

Sc – Software Engineering

Benab University – 2010 Achievements:

Built foundational skills in web architecture
and manual security testing

Initiated early NFT experiments and smart
contract prototypes

Led collaborative coding projects archived
as branded GitHub repositories

Employment History

Title: High School Teacher & Content Developer

Institution: National Organization for Development of Exceptional Talents (NODET) –
Tabriz Years: 2012–2021 (Tabriz)

1994 - 2025

Description:

Taught advanced mathematics (including calculus and differential equations) to gifted students
at NODET (Sampad) high schools

Designed and delivered training workshops for fellow teachers in content creation and
curriculum development

Developed educational materials and interactive modules in programming languages including C,
C++, C#, and Visual Basic

Led interdisciplinary projects combining mathematical modeling and software development for
student competitions

Mentored students in Olympiad preparation and creative problem-solving

Next.js – Server-side rendering,
dynamic routing, SEO optimization

Language

Persian – Native

Azerbaijani

Turkish – Fluent

(spoken and
written)

English –

Professional

working

proficiency

(technical and

academic)

Soft skills

Analytical Precision

Creative Problem-Solving

Time Management

Professional Documentation

Effective Communication

Continuous Learning

Ethical Responsibility

Technical Archiving & Branding

Ethical Hacking (CEH Certified)

Ethical Hacking (CEH
Certified)|Expert

Termux (Linux terminal on Android)

Title: Technology Coordinator & STEM Instructor – NODET (Sampad)

Organization: National Organization for Development of Exceptional

1389 - 2012

Responsibilities & Achievements:

Led IT infrastructure and digital learning initiatives for gifted schools

Taught advanced NODET textbooks in mathematics, programming, and creative reasoning

Designed and delivered cybersecurity and blockchain workshops for students and educators

Achieved #1 national ranking in Sampad's official technology educator evaluations

Archived all milestones as branded digital artifacts for portfolio and resume presentation

Projects

◆ ENS Vulnerability Report

Platform: Immunefi

2025 - 2025

◆ ENS Vulnerability Report

Platform: Immunefi Description: Discovered a critical vulnerability in ENS smart contracts.

Provided reproducible steps, payloads, and branded documentation. GitHub Gist: View Report

<https://gist.github.com/laleh-nour/8f85e8c98818f6fac1880dcaaac0cf61>

◆ Balancer Vault Exploit Analysis

Platform: Immunefi

2025 - 2025

Description: Analyzed access control flaws in Balancer protocol. Submitted full trace analysis and branded report. GitHub Gist: View Report

<https://github.com/laleh-nour/balancer-v2-subgraph>

◆ Polygon NFT Wallet

Platform: PolygonScan

2025

Description: Created and deployed NFTs using ERC-721 and ERC-2981 standards. Metadata stored on IPFS. Wallet Address: View on PolygonScan

<https://polygonscan.com/address/0xD1A26Dee9FBb673DfEf875Ed9c7b55e0393889>

CB

◆ MyFlashToken (MFT)

Platform: Polygon

2024 - 2024

Description: Designed and deployed a custom token with branded metadata and visual identity. Token Link: View Token

<https://polygonscan.com/token/0x0c54916876e7a9e64399845B4b239659a560BB3b>

Legal Hacking Course Project

Platform: Maktabkhooneh

2021 - 2021

Description: Completed ethical hacking exercises and documented findings. Certificate: View Certificate

https://maktabkhooneh.org/certificates/mk-0xria2/?show_actions=true&lang=en

◆ Programming with C – Course Project- ◆ Programming with C – Course Project

Platform: Maktabkhooneh

2023 - 2025

https://maktabkhooneh.org/certificates/mk-c7iz21/?show_actions=true&lang=en

https://maktabkhooneh.org/certificates/mk-c7iz21/?show_actions=true&lang=en

Hobbies

Interests & Hobbies

I'm deeply passionate about ethical hacking and cybersecurity. I enjoy uncovering hidden vulnerabilities, crafting precise payloads, and transforming each exploit into a documented, teachable artifact. Every bypass is a breakthrough, and every

🧠 Interests & Hobbies

I thrive at the intersection of precision and creativity. My passions include blockchain engineering, vulnerability research, and NFT creation—each project a branded artifact of my technical journey. In my free time, I enjoy designing multichain experiments, writing emotionally resonant captions for digital assets, and archiving every milestone as part of my evolving legacy.

I'm deeply committed to mentoring gifted students, crafting multilingual educational content, and transforming every troubleshooting moment into a teachable, documented experience. Whether I'm testing wallet UX, deploying smart contracts, or reflecting on past creative highs, I treat each step as a chance to build something lasting.

Social Links

instagram

https://www.instagram.com/laleh_nour/

x

<https://x.com/LNourmohamadi>

GitHub Portfolio

Platform: GitHub

Description: Archive of branded reports, payloads, NFT metadata, and reproducible scripts.

Profile: github.com/laleh-nour

<https://github.com/laleh-nour>

Multichain Token Engineering Hub – Precision Deployments Across Polygon, SHIBA, TRC-20, BEP-20, and ERC-20

Primary development and funding address used for deploying and testing high-precision tokens (6 decimals) across multiple blockchain ecosystems. This wallet has been actively involved in long-term token experiments, NFT minting, and metadata persistence validation on Polygon, Ethereum, Binance Smart Chain, TRON, and SHIBA-based networks.

<https://polygonscan.com/address/0x0F6FA7D6786f646a60a394F27e78161Adc4c2697>

🛡️ Allegro & Torfs Vulnerability Research – Intigriti Bug Bounty Portfolio

intigriti

Between October 6–8, 2025, Sina conducted a focused vulnerability assessment on Allegro and Torfs platforms through Intigriti. The project includes:

4 reflected input vulnerabilities in Allegro's search and HTML rendering

1 CSRF logic flaw involving dual response codes (204 & 307)

1 SQL injection in Torfs search functionality

All reports submitted with detailed payloads, screenshots, and trace analysis

Severity levels ranging from Medium to High, with one critical CSRF finding

📧 Intigriti Inbox

<https://app.intigriti.com/researcher/inbox>

📄 NFT Title: CosmonautLalehNQ

A Branded Artifact of Multichain Exploration and Vulnerability Research

A Branded Artifact of Multichain Exploration and Vulnerability Research

This NFT represents Sina's journey through blockchain ecosystems as a security researcher and token engineer. Minted to commemorate:

Deployment of high-precision tokens (6 decimals) across Polygon, SHIBA, TRC-20, BEP-20, and ERC-20

Submission of critical bug bounty reports to Intigriti and Immunefi

Creation of branded smart contracts and IPFS-based metadata

Emotional and technical milestones archived as digital legacy

<https://marketplace.mintable.com/dashboard/tokens/cosmonautlalehNQ:94820373302037628001851328477162338616963615666301961561032367098330954866841>

🔗 AAVE & GMX

DeFi Protocol Research – AAVE & GMX (3 Months) Conducted in-depth vulnerability analysis and behavioral testing on AAVE and GMX smart contracts. Focused on admin role transitions, liquidity pool logic, and permission edge cases. Documented findings as reproducible legacy artifacts with branded technical summaries.

Ethical Hacking (CEH Certified) |Expert

2021 - 2023

Completed the CEH course with hands-on penetration testing, vulnerability analysis, and exploit simulation. Practiced extensively using Termux on Android to simulate real-world attack vectors and mobile-based security labs.

💠 Web Development & Frontend

2020 - 2025

React.js – Component-based architecture, hooks, state management

Next.js – Server-side rendering, dynamic routing, SEO optimization

JavaScript (ES6+) – DOM manipulation, async/await, modular coding

Tailwind CSS – Utility-first styling for responsive design

HTML5 & CSS3 – Semantic markup and layout fundamentals

◆ Blockchain & Security

2022 - 2025

Smart Contract Auditing (Solidity, Ethers.js)
NFT Creation & IPFS Archiving
Bug Bounty Reporting & API Testing
Linux (Kali), Burp Suite, Wireshark

■ Region-Neutral Resume Writing Multilingual Communication (English, Turkish, Persian) Legacy Artifact Creation & Technical Documentation

Smart Contract Auditing (Solidity, Ethers.js)
Blockchain Architecture (Polygon, Arbitrum, ENS)
NFT Creation & IPFS Archiving
Web Development (React, Next.js, Tailwind CSS)
API Testing & Bug Bounty Reporting
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■ 🛡️ Security Projects & DApp Development

<https://immunefi.com/bug-bounty/gmx/information/>

Feb 2025 - Oct 2025

Overview: A reproducible Proof-of-Concept demonstrating a logic flaw in GMX's execution path, enabling unauthorized asset transfers.

Role: Designed and executed the PoC, documented each step for bug bounty reporting, and prepared artifacts for Immunefi submission.

Technologies: Hardhat, JavaScript, ABI decoding, custom logging.

https://github.com/laleh-nour/GMX_PoC_Gist

■ 💻 USDT-Transfer-DApp – Frontend DApp for Token Transfers

Aug 2025

Overview: A React-based decentralized application enabling USDT transfers on testnet, with emphasis on UX and secure contract interaction.

Role: Developed the frontend interface, integrated smart contract calls, and documented the workflow for educational and reporting use.

Technologies: React, Next.js, Ethers.js, MetaMask integration.

<https://github.com/laleh-nour/USDT-Transfer-DApp>

■ ◆ Documentation & Branding

Region-Neutral Resume Writing
Multilingual Communication (English, Turkish, Persian)
Legacy Artifact Creation & Technical Documentation

■ USDT Transfer DApp – React & Next.js

Developed a secure and user-friendly decentralized application for transferring USDT on Binance Smart Chain. Integrated MetaMask wallet connection, responsive UI, and deployed via Netlify for global accessibility. Live Demo | GitHub Repo
<https://github.com/laleh-nour/USDT-Transfer-DApp-React-Next.js/tree/main>

<https://jade-centaur-2bfab3.netlify.app/>

■ 🛠️ gmx-tokenmanager-poc – TokenManager Logic Analysis

<https://immunefi.com/bug-bounty/gmx/information/>

Jan 2025 - Oct 2025

Overview: Security testing of GMX's TokenManager module, identifying edge-case behaviors and potential bypasses in asset transfer logic.

Role: Conducted vulnerability analysis, documented anomalous execution paths, and structured findings for Immunefi reporting.

Technologies: Solidity, Hardhat, Slither, structured logging.

<https://github.com/laleh-nour/gmx-tokenmanager-poc>

Courses

■ CEH (Certified Ethical Hacker)

Maktabkhooneh 2021
2021 - 2021

■ Solidity

Maktabkhooneh
2023 - 2025

Internships

■ Title: Independent Internship in Web Security & Smart Contract Engineering at Organization: Self-Directed Projects via Intigriti, Immunefi, and Polygon Date: 2023 – 2024

Organization: Self-Directed Projects via Intigriti, Immunefi, and Polygon Date: 2023 – 2024

Honors

■ Outstanding Teacher Award – NODET (Sampad)

Recognized as a top educator for gifted students in Iran, for designing innovative mathematics and programming content.

■ Certified Solidity Developer – Maktabkhooneh

Completed advanced smart contract development courses with a focus on multichain deployment and security.

https://maktabkhooneh.org/certificates/mk-c7iz21/?show_actions=true&lang=en

■ Gold Coin Prize – Mathematics Creativity Festival

Awarded for a creative presentation titled “Where is a function not differentiable?”, combining analytical depth with visual storytelling.

■ Legal Hacking Course Completion

Trained in ethical hacking, vulnerability analysis, and secure coding practices.

https://maktabkhooneh.org/certificates/mk-0xria2/?show_actions=true&lang=en

Researches

■ Title: Fixed Point Theorems for Novel Nonlinear Mappings in Hilbert Spaces

Institution: University of Bonab – Department of Mathematics
Supervisor: Dr. Hossein Peiri Defense Date: February 17, 2019

This MSc thesis investigates new classes of nonlinear mappings in Hilbert spaces and establishes fixed point theorems under generalized contractive conditions. The work contributes to the theoretical foundations of functional analysis and has potential applications in differential equations and optimization.

https://rtims.ubonab.ac.ir/_Pages/Research.aspx?Id=46028

Extra Curricular Activities

■ 🧡 Volunteer Activities

Volunteered as an educator and content developer for gifted students, designing and teaching courses in mathematics, programming, and cybersecurity. Focused on bridging technical mastery with creative problem-solving.

■ Digital Archiving & Branding

Voluntarily documented technical, educational, and artistic milestones as branded digital artifacts. Created NFT-based archives, GitHub repositories, and multilingual resumes to preserve and showcase professional legacy.

■ Security Community Engagement – Iran & International at Tabriz

Actively contributed to local and global security communities by reporting vulnerabilities, sharing ethical hacking insights, and supporting young researchers. Volunteered in translating and adapting multilingual content to empower Iranian learners.
Digital Archiving & Branding

References

■ SepehrSalami