

Jamshid Khaydarov

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Red Team Operator & Penetration Tester

Offensive Security Specialist specializing in Red Team operations, penetration testing, exploit development, and Active Directory assessments. Experienced in web/network exploitation, post-exploitation, and engineering Python frameworks for vulnerability scanning, phishing detection, and cryptography.

EDUCATION

Westminster International University in Tashkent, Tashkent — *Certificate of International Foundation Studies*

September 2024 - May 2025

Westminster International University in Tashkent, Tashkent — *Computer Science*

September 2025 - May 2028

EXPERIENCE

Oqtosh Metall Industrial Group MCHJ, Tashkent — *Python Developer (Security Focus)*

July 2025 - Present

- Developed secure Python web applications and REST APIs with robust input validation, authentication, and authorization controls following OWASP guidelines.
- Performed automated and manual security assessments of internal tools and Django web applications to identify and remediate vulnerabilities.
- Engineered automated security scripts for threat monitoring, vulnerability triage, and secure system deployment.

oqtoshmetall.com

Private Security, Tashkent — *Cyber Security Intern*

July 2021 - March 2023

- Conducted external and internal penetration tests, vulnerability assessments, and network security evaluations for enterprise clients.
- Executed manual exploitation of web application flaws (OWASP Top 10), network misconfigurations, and outdated services.
- Authored detailed technical penetration testing reports with severity ratings (CVSS), proof-of-concept exploits, and actionable remediation strategies.

SKILLS

Red Team Operations & Pentesting
Vulnerability Assessment & PoC
Offensive Python Tool Development
Linux / Kali Linux / Bash
Burp Suite / Nmap / Metasploit
OWASP Top 10 & Web Security
Applied Cryptography & AES-256

LANGUAGES

Uzbek Native
English C1
Russian A2

Cybersecurity center (csec.uz), Tashkent —

Cybersecurity Club Member

April 2026 - Present

Discovered and documented over 25 real-world vulnerabilities through comprehensive security assessments and ethical hacking initiatives within the club ecosystem, mainly focusing on Remote Code Execution (RCE), arbitrary file upload vulnerabilities, and related web security issues.

Cyber Apocalypse CTF 2025: Tales From Eldoria — March 21-26, 2025 (hackthebox.com)

Achieved 131st place out of 8,129 international teams on Hack The Box, solving complex offensive security challenges across web exploitation, cryptography, reverse engineering, and pwn.

Hack the code: Teen — March 18, 2025 (reply.com)

Secured 126th place out of 521 teams in an international cybersecurity competition focusing on advanced web exploitation and algorithmic problem-solving.

Cyberkent CTF (Inha University in Tashkent, Uzbekistan)— 2026

Placed 11th in the national Cyberkent CTF competition, demonstrating rapid incident response, real-time binary analysis, and exploit development under time constraints.

Cyberkent CTF — 2026 (, Uzbekistan)

Participated in the Cyberkent CTF organized by csec.uz, solving advanced challenges in web security, cryptography, and network forensics.

PROJECTS

CipherMate — April 29 2025

Full-stack cryptographic web tool built with Python backend and custom encryption algorithms.

FortiPass — *Intelligent Password Security Analyzer*

Password security analyzer with entropy testing, dictionary attacks, and GUI/report generation.

github.com/justkhaydarov/FortiPass

PhishGuard — *Smart Phishing Detection Engine*

ML-driven phishing detection engine analyzing URLs, SSL certs, domain age, and headers.

github.com/justkhaydarov/PhishGuard

CryptexVault — *Secure File Encryption System*

AES-256 file encryption system using PBKDF2/Argon2 key derivation and HMAC integrity validation.

github.com/justkhaydarov/CryptexVault

ZeroGate — *Zero Trust Auth Framework*

Zero Trust auth framework with JWT, OAuth2, RBAC, and dynamic device trust scoring in FastAPI and PostgreSQL.

github.com/justkhaydarov/ZeroGate