Umrbek Hayitboyev

System & Network Administrator | Cybersecurity Specialist

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🔗 umrbek-hayitboyev   Personal blog

Profile

Passionate about cybersecurity and networking, I am eager to take on challenging roles that require deep technical expertise, critical thinking, and continuous learning. I thrive in environments that demand adaptability and problem-solving.

Areas of Expertise

Cybersecurity – Network Security – System Administration – Linux Servers (Ubuntu) – Firewall Configuration – IDS/IPS – Penetration Testing –Web Security – Virtualization – Cloud platforms – Python & Bash scripting

Experience

System administrator *Matbaa Paper*   **Urgench, Khorezm, Uzbekistan** *Aug. 2025 – Present*

- Administered and maintained the company's **network infrastructure, servers, and cybersecurity systems** (Kerio Control, Windows Server).
- Managed **user access, backup systems, and monitoring tools** to ensure reliability and data protection.
- Implemented **corporate email and domain systems (matbaa.uz, kwf.uz)**, integrated them with cloud services, and maintained uptime and DNS security.
- Developed **Notion-based digital transformation ecosystem** connecting HR, Operations, Finance, and IT databases into a single automated workflow.
- Optimized **printer, camera (PoE), and internal network configurations**, resolving system interruptions and improving data flow efficiency.
- Collaborated with HR and Operations teams to design **KPI dashboards, IT asset registers, and staff access logs** for accountability and transparency.
- Led IT cost optimization initiatives, including **license renewals, server performance tuning**, and preventive maintenance of digital systems.

System administrator *Urgench Branch of TUIT*   **Urgench, Khorezm, Uzbekistan** *Aug. 2024 – Aug. 2025*
- Provided technical support to faculty and students, troubleshooting hardware, software, and network issues.
- Installed, configured, and maintained Windows & Linux systems for academic and administrative use.
- Assisted in network administration, ensuring stable and secure connectivity across the campus.
- Managed user accounts, permissions, and access controls to university IT resources.
- Diagnosed and resolved printer, network, and system performance issues.
- Supported cybersecurity initiatives, helping implement basic firewall rules, endpoint security, and access control policies.
- Helped maintain virtualization environments for cybersecurity and programming labs.

Online Courses & Certifications

- **IBM IT Support** Professional (Sep. 2024) - Coursera

- **Illinois Tech** Bachelor's(Sep. 2024) - Introduction to Open Source Operating Systems

- **Application Security for Developers and DevOps** Professional (Oct. 2024) - Coursera

Education

Computer Engineering Faculty *Urgench Branch of TUIT*   **Urgench, Uzbekistan** *2021-2025*

Relevant Courses: Cybersecurity, Computer Networks, Programming, Network Security, Operating Systems & Open-Source Security, Cryptography, Machine Learning, Web Application Security, Cyber Law & Ethics.

Exact Sciences *Academic Lyceum Urgench Branch of TUIT*   **Urgench, Uzbekistan** *2019-2021*

Publications

- **Salaev A, Hayitboev U, Sattorov A.,** (2025). *Efficiency and Security of Cryptographic Algorithms Based on Elliptic Curves Compared to the RSA Algorithm.* Informatics, Computing Technology, and Management, pp. 17.
- **Salaev A, Hayitboev U, Radjabov I,** (2025). *Digital Signatures and Their Role in Modern Applications.* Informatics, Computing Technology, and Management, pp. 20
- **Taxirovich T, Hayitboyev U,** (2024). Data Protection on mobile devices.

Volunteering

Assistant Mathematics Teacher (Volunteer)   **Urgench, Khorezm, Uzbekistan** *Sep. 2021 – Dec. 2021*

- Assisted in mathematics lessons, providing free support to prepare students.

- Independently tutored my neighbor's children in mathematics free of charge.

- Supported students' learning process

Amateur Teacher (Volunteer)   **Urgench, Khorezm, Uzbekistan** *Aug. 2024 - Present*

- Teache colleagues Kali Linux and basic cybersecurity during my spare time from work.

Projects

OSINT Threat Intelligence Bot for the Telegram Platform
The project focused on system-level open-source intelligence gathering rather than profiling individuals, targeting threats that affect servers, domains, and IP addresses. The bot was designed to collect and analyze data relevant to network infrastructure, providing real-time threat monitoring and actionable insights for cybersecurity purposes. Emphasis was placed on implementing reliable data acquisition, analysis, and visualization mechanisms to assist in identifying potential security risks.
Technologies used: Python, Telegram Bot API, Aiogram, Subfinder, Nmap, WhatWeb
@Justingng_bot

Skills

Cybersecurity

- **Network Security** – Secure network architecture, firewall policies, VPNs (configuration OpenVPN), and intrusion detection/prevention systems (IDS/IPS).
- **Penetration Testing** – Conducting security assessments and vulnerability analysis for web applications and networks.
- **Web Security** – Implementing secure coding practices, OWASP Top 10 mitigation, and WAF (Web Application Firewall) configurations.
- **Cryptography** – AES, DES, RSA, Diffie-Hellman, SHA-2, SHA-3, HMAC, digital signatures, SSL/TLS security.

System Administration

- **Linux Servers (Ubuntu)** – Deployment, configuration, and security hardening of Ubuntu-based environments.
- **Firewall Configuration** – Managing UFW, IPTables, and enterprise firewall solutions for network protection.
- **IDS/IPS** – Setting up and configuring Suricata and Fail2ban for real-time threat detection.

- **Virtualization & Cloud Platforms** – Experience with Microsoft Azure and Google Cloud for virtualized infrastructure management.

Automation & Scripting

- **Python & Bash Scripting** – Automating security tasks, log analysis, and system administration.

Languages

- **Uzbek** [Native]
- **English** [Intermediate – B2] – Learning till the advanced level