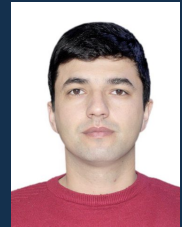


SUKHROB KHAYDAROV

SYSTEMS & NETWORK ENGINEER · ATSEP (CNS/ATM) · INFRASTRUCTURE & SECURITY

Samarkand, Uzbekistan · +998 93 680 31 13 · samsmartuz@gmail.com
khaydarov.uz · linkedin.com/in/sukhrob-khaydarov-7a549a1a3 · samsmart.uz



PROFILE

Engineer with 15+ years across telecommunications, IT infrastructure and safety-critical aviation systems. For 8+ years an ATSEP (Air Traffic Safety Electronics Personnel) engineer at Uzaeronavigation, Uzbekistan's national air navigation service provider, keeping ATM automation, voice communication and navigation systems available around the clock. In parallel, founder and technical lead of an IT and security-systems integrator with 1,000+ small and 50+ large projects delivered. Combines hands-on depth in networking, Linux, monitoring and automation with technical leadership, teaching and product development.

15+

years in telecom & IT

8+

years as ATSEP engineer

1,000+

projects delivered with the team

50+

large-scale projects

CORE COMPETENCIES

CNS/ATM & critical systems: ATM automation (flight and surveillance data processing); voice communication systems (VCS); SIP, E1, multiplexing; navigation aids (ILS, VOR/DME); system monitoring and control

Networking & security: MikroTik RouterOS; Cisco routing and switching; Huawei; VLAN, ACL, NAT, LACP, Wi-Fi; FortiGate, Kerio Control, pfSense; WireGuard, OpenVPN; segmentation; PacketFence (NAC); FreeIPA/LDAP

Linux, virtualization & storage: Ubuntu, Debian, RHEL; Bash; Proxmox clusters; Docker, Kubernetes; DNS/DHCP/NTP; Nginx, HAProxy; RAID, SAN, iSCSI; BorgBackup; PXE/FOG

Monitoring & automation: Zabbix, Prometheus, Grafana, ELK Stack; Ansible, AWX, Terraform; GitLab CI/CD; NetBox/IPAM, Oxidized, GLPI, BookStack

Physical security & telecom: CCTV (Dahua), access control, intercom, intrusion and fire alarm; VoIP/PBX; fiber-optic splicing; structured cabling (SCS)

Software & security tooling: Django/DRF, React/Vite; AI-assisted development (Claude Code, Codex); working knowledge of Wazuh, IDS/IPS, PKI/TLS, ISO/IEC 27001

PROFESSIONAL EXPERIENCE

ATSEP Engineer

Feb 2018 – Present

Uzaeronavigation Centre LLC · Samarkand ATC Center

Progression: Communications Engineer (2018) → Shift Communications Engineer (2019) → ATSEP Engineer (2021).

- Operate and maintain the automated ATM system (flight and surveillance data processing, controller working positions) on shift, keeping safety-critical ATC services continuously available.
- Maintain the controllers' voice communication system (air-ground and ground-ground voice, SIP/VoIP, E1, multiplexing) and support navigation aids (ILS, VOR/DME) and their communication links.
- Administer RHEL servers with RAID storage and the operational network: switching, routing, firewalls, VPN.
- Introduced monitoring and documentation tooling — Zabbix with custom scripts, NetBox/IPAM, Oxidized configuration backup, BookStack knowledge base; investigate faults with root-cause analysis.

Founder & Technical Lead

2018 – Present

SAM Smart Security Service · samsmart.uz · Samarkand

- Built an IT and security-systems engineering company from zero: 1,000+ small and 50+ large projects for education, logistics and enterprise clients (Oxford School, Fast Education, Azizon, Prime Samarqand, Gold Lavash).
- Deliver full-site automation: network and firewall design (FortiGate, Kerio Control, pfSense, MikroTik/Cisco), VPN and segmentation, fiber-optic lines, servers and storage, CCTV systems of 100+ cameras, access control, alarm and intercom.
- Built the SAM Smart product family, all launched: EduAccess (smarttime.uz), Sam Smart POS, Nmatic and Anjom (see Projects).

Chief Specialist, System Administration

2024 – 2025

School 21 · digital technologies school · Samarkand campus

Held concurrently with the shift-based ATSEP role; promoted from System Administrator (2025).

- Ran the campus network (VLANs, ACLs, NAT, LACP, 10 Gbps optical links, Wi-Fi) with pfSense, WireGuard/OpenVPN and PacketFence NAC.
- Managed a Proxmox cluster of ~30 virtual machines on RAID/SAN/iSCSI storage with BorgBackup; core Ubuntu/Debian services (DHCP, PowerDNS, NTP, LDAP/FreeIPA) and Kaspersky server security.
- Built a monitoring and observability stack (Zabbix, Prometheus, Grafana, ELK) and automated infrastructure with Ansible, AWX and Terraform; maintained Docker, Kubernetes, GitLab CI/CD, Nexus, NetBox, GLPI and FOG OS imaging.

Earlier career2009 – 2018

- **Electrician, Grade 5 — Security Department, Ministry of Internal Affairs**, Nov 2016 – Feb 2018: intrusion and fire alarm systems at protected sites.
- **PBX / Telecommunications Engineer — SIMUS internet provider**, Jul 2015 – Aug 2016: telecom networks and PBX equipment.
- **Technical Specialist — NET CITY internet provider**, Nov 2012 – Jul 2015: customer network equipment, diagnostics and network modernization.
- **Telecommunications Electrician, Grade 3 — Uztelecom (Uzbektelecom JSC)**, Nov 2009 – Nov 2012: telephone lines and telecommunications equipment.

PROJECTS & INITIATIVES

- **EduAccess (smarttime.uz; formerly EduControl)** — management platform for education centers: QR/Face ID access control, payments, CRM, staff time tracking, multi-branch reporting; modular monolith, DDD / Hexagonal Architecture, built with AI coding agents.
- **Sam Smart POS (texnoxarid.uz)** — Django/DRF + React/Vite point-of-sale system running in production.
- **Nmatic (nmatic.uz)** — queue management system for banks, clinics and public services: kiosk and QR tickets, hall displays, Uzbek voice calls, operator panel, ratings and analytics; runs offline on the local network.
- **Anjom (anjom.uz)** — management system for rental businesses: booking calendar, Telegram storefront, online payments via Payme and Click, deposits and QR-based handover, auto-generated contracts in Uzbek and Russian, reporting.
- **NETLAB (netlab.uz)** — founder and lead instructor: hands-on IT training center with six tracks (Cisco/MikroTik networking, Linux, IP telephony, CCTV and security, IoT, computer literacy with cybersecurity basics).
- **Parvoz Code (parvozcode.uz, 2025)** — founder: learning center for children aged 6–14 (programming, robotics, mathematics, chess, English).
- **BAROBAR / ATC Safety** — product concepts for flight safety and radio-communication analysis, MVP stage.

CERTIFICATIONS & TRAINING

ATSEP / Aviation: ATSEP certification training (Almaty, Kazakhstan); system-specific courses on the ATM automation system and the voice communication system; further employer-provided CNS/ATM equipment training

MikroTik: MTCTCE — Traffic Control Engineer (2025–2028); MTCRE — Routing Engineer (2024–2027); MTCNA — Network Associate (2023–2026)

Dahua: DHSP Certified Security Professional — Intelligent Building System (2022); DHCA courses — DoLink, WITHS, VIS, IPVSS (2024–2026)

Courses: Linux Essentials — Micros Training Centre, Tashkent (2022); Huawei HCNA (now HCIA) course; Optical Fiber Communication Line Construction, Installation & Operation — Uztelecom (2019)

EDUCATION

Samarkand Institute of Economics and Service — Bachelor's degree, Tourism	2012 – 2016
Samarkand College of Information Technologies — secondary specialized education, Telecommunications, Electromechanical Technician	2006 – 2009

LANGUAGES

Uzbek — native · Tajik — fluent (C2) · Russian — upper-intermediate (B2) · English — intermediate (B1)