

EMIR SAHIN

Aviation IT & Cybersecurity Specialist | IT Infrastructure & Operations Supervisor

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PROFESSIONAL SUMMARY

Aviation IT and cybersecurity professional with 6+ years of experience supporting mission-critical airport, enterprise, and broadcast environments. Currently serving as IT and Cyber Security Supervisor at T&T Ercan Airport, leading a three-person team and supporting 24/7 operations across 70 physical servers, 9 virtual servers, 121 end-user workstations, 60 check-in counters, 8 Passenger Boarding Bridges, 4 bus gates, 60+ FIDS displays, and 90+ wireless access points. Hands-on expertise in TAV Technologies airport platforms, Cisco and Fortinet infrastructure, Windows Server, Active Directory and Group Policy, virtualization, backup systems, vulnerability assessment, penetration testing, and incident response. Combines aviation operations knowledge with cybersecurity, infrastructure engineering, vendor coordination, and full-stack project leadership.

CORE COMPETENCIES

Aviation IT & OT: TAV Technologies FIDS, TAMS, RMS, FMS; Atlantis; CUTE/CUPPS; DCS; BHS Integration; Passenger Boarding Bridge (PBB); AOCC Coordination

Cybersecurity: Fortinet FortiGate 600E; Firewall and IPS Administration; Incident Detection & Response; Vulnerability Assessment; Penetration Testing; Kali Linux; Metasploit; Active Directory Security; GPO; USB/Removable-Media Access Control

Infrastructure & Networking: Cisco Catalyst 9200L 48-Port PoE+; Cisco Catalyst C9115AX-E; LAN/WAN; VLAN; VPN; Windows Server; Linux; Hyper-V; VMware; QNAP NAS; Backup & Disaster Recovery; Active Directory; PowerShell

Development & Data: TypeScript; Next.js; MySQL; MSSQL; SQL; Python; API Integration; Automation Scripting

Leadership & Service Management: 3-Person Team Leadership; IT Operations Management; Shift & Workforce Planning; Project Leadership; Incident Coordination; Vendor Escalation; ITSM; Business Continuity

PROFESSIONAL EXPERIENCE

IT and Cyber Security Supervisor

T&T Ercan Airport | May 2023 - Present | Nicosia, TRNC

- Lead a three-person IT team supporting 24/7 airport technology operations, including shift and workforce planning, task coordination, incident management, infrastructure maintenance, and project delivery.
- Support a large-scale airport environment comprising 70 physical servers, 9 virtual servers, 121 end-user workstations, 60 check-in counters, 8 Passenger Boarding Bridges, 4 bus gates, 60+ FIDS displays, and 90+ wireless access points.
- Administer and support TAV Technologies aviation platforms, including Flight Information Display System (FIDS), Total Airport Management Suite (TAMS), Resource Management System (RMS), and Flight Management System (FMS), alongside Atlantis, CUTE/CUPPS, DCS, BHS, and PBB integrations.
- Administer enterprise infrastructure including Cisco Catalyst 9200L 48-port PoE+ switches, Cisco Catalyst C9115AX-E wireless access points, Fortinet FortiGate 600E firewalls, Hyper-V, VMware, Windows Server, and QNAP NAS-based backup systems.
- Manage Active Directory user provisioning and Group Policy Objects (GPOs), enforcing workstation security restrictions and controlled USB/removable-media access for authorized personnel.
- Detected and neutralized a malicious scheduled batch script on a shared server that was configured to delete files from shared storage; disabled and removed the Windows Task Scheduler job before execution, preventing potential data loss and operational disruption.
- Lead the planning and delivery of a production full-stack procurement management platform, coordinating development with an IT technician using TypeScript, Next.js, and MySQL; digitized airport-wide purchasing workflows with role-based access, approval processes, dashboards, internal messaging, notifications, and department-specific collaboration features.
- Coordinate technical escalation with TAV Technologies for backend and application-level incidents, performing initial diagnosis, documenting root-cause indicators, opening support tickets, and collaborating with vendor specialists through resolution.

PROFESSIONAL EXPERIENCE - CONTINUED

Information Technology Specialist

Broadmax | Jun 2022 - Sep 2022 | Omorfo, TRNC

- Managed enterprise LAN/WAN infrastructure, QoS, Windows Server 2019, and Active Directory services.
- Configured site-to-site VPN connectivity, Cisco ASA and Fortinet firewall policies, and multi-factor authentication controls.
- Performed vulnerability assessments, patch management, and endpoint hardening while supporting ISO 27001 and GDPR-aligned security practices.

Information Technology Supervisor

Lefke Haber TV Channel | Nov 2021 - Jun 2022 | Lefke, TRNC

- Managed 24/7 broadcast IT infrastructure supporting live television production across studio, newsroom, and control-room environments.
- Designed and maintained NAS/SAN storage, automated backup, and disaster recovery procedures for broadcast and production data.
- Led digital workflow improvements by integrating cloud-based file delivery and collaboration tools into post-production operations.

IT Support Engineer

Cybercrime Security | Jun 2019 - Oct 2020 | Nicosia, TRNC

- Delivered cybersecurity and IT infrastructure support to enterprise and government environments, with emphasis on proactive defense and incident response.
- Performed network and web application penetration testing using Kali Linux security tools, including Metasploit, and supported remediation of identified vulnerabilities.
- Supported security monitoring, incident triage, forensic analysis, endpoint hardening, malware defense, and preparation of incident-response playbooks and security-awareness activities.

IT Specialist

Holland Bazaar Cash & Carry | Sep 2018 - Jan 2019 | London, UK

- Administered MySQL and Microsoft SQL Server databases, including indexing, stored-procedure tuning, encrypted data replication, and backup operations.
- Configured inter-branch VPN connectivity, POS systems, and cloud-based backup strategies to support retail operations.

IT Specialist

Istanbul Metropolitan Municipality | Sep 2014 - Jun 2015 | Istanbul, Türkiye

- Supported LAN/WAN infrastructure, Active Directory, Group Policy, endpoint protection, and rack-mounted server environments across municipal departments.
- Delivered Tier 1/2 technical support and assisted with server redundancy, backup, user access, and endpoint administration.

CERTIFICATIONS & PROFESSIONAL TRAINING

Cyber Security Awareness - Directorate General of Civil Aviation (DGCA / SHGM) | Jul 2026 | Course Code: U 01 N HG 010

Security Awareness - Directorate General of Civil Aviation (DGCA / SHGM) | 19 Nov 2025 | Course Code: U 01 N HC 001 | Score: 95

International Business Analysis Methodology and Techniques - BTK Academy | 06 Nov 2025 | Certificate No: kK1hbZw2zX

Kali Linux - BTK Academy | 05 Nov 2025 | Certificate No: L8dcNNDvq4

Total Airport Management Suite (TAMS) - TAV Technologies | Sep 2023

Resource Management System (RMS) - TAV Technologies | Sep 2023

Flight Management System (FMS) - TAV Technologies | Sep 2023

EDUCATION

Bachelor of Science (BSc), Management Information Systems (MIS)

European University of Lefke | Graduated Feb 2023 | Lefke, TRNC

LANGUAGES

Turkish - Native | English - C1 (Advanced)