Mohamadreza Ghorbani

IT Infrastructure & Cybersecurity Specialist | Expert in Network & Low Current Systems | Airport IT & Security Solutions

CONTACT

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SUMMARY

Experienced **IT Infrastructure Project Manager** and **Cybersecurity Specialist** with a strong background in designing, implementing, and managing large-scale IT and network solutions, particularly in **mission-critical environments like international airports**. Adept at leading complex projects from initial planning to deployment and optimization, ensuring high availability, security, and operational efficiency.

Proficient in **Network Infrastructure Design, Data Center Management, Storage Solutions (Tape & SAN), and Cybersecurity**, with hands-on expertise in **Cisco networking, Siemens BMS, and Security Systems (CCTV, Access Control, Fire Alarm, and Public Address Systems)**.

Holding a **Master's degree in IT (Networking Specialization)**, I am passionate about **cutting-edge technologies, cybersecurity advancements, and IT infrastructure optimization**. Additionally, I actively contribute to **Google Maps**, explore **cryptocurrency and mining**, and pursue **photography** as a creative outlet.

WORK EXPERIENCE

Low Current Systems Engineering Supervisor   12/2022 - Present

Tolid Malzoomat Bargh (TMB)

Accomplished Low Current Systems Supervisor with extensive experience managing and delivering large-scale infrastructure projects. Successfully led the implementation of critical low current systems for the new terminal at Kish International Airport, ensuring seamless integration and high operational standards across multiple complex technologies, including:

- Building Management Systems - Siemens
- Fire Alarm Systems - Siemens
- Network Infrastructure - Cisco
- Airport IT Systems - HPE,EMC & Sophos
- Access Control Systems - Bosch
- CCTV and Surveillance - Bosch
- Public address system - Bosch Skilled in project planning, team coordination, and system commissioning, with a focus on

achieving optimal performance, safety, and compliance. Known for troubleshooting complex systems and streamlining operations, I excel in collaborative environments and cross-disciplinary teams.

Technical Manager   01/2022 - 01/2024
Honar shahr aftab

Served as the Technical Manager for the successful launch of Mica Cineplex , a state-of-the-art cinema complex featuring three halls , including one multipurpose hall designed for both cinematic screenings and professional conferences.

- Implemented smart cinema automation systems , enabling automatic scheduling of movie playback and synchronized control of salon lighting to enhance operational efficiency and create an immersive

- cinematic experience.

- Integrated self-ticketing machines , streamlining the customer experience by providing convenient, automated ticket purchasing and reducing operational overhead.

- Oversaw the installation, configuration, and integration of advanced cinematic technologies, including D-CINEMA and E-CINEMA systems with DCP players from Qube , ensuring high-quality digital projection and audio performance.

- Designed and executed the technical infrastructure for the multi-purpose hall, enabling seamless transitions between cinema screenings, live events, and professional conferences.

- Collaborated closely with architects, engineers, and technical teams to implement cutting-edge facilities, including Dolby audio systems and smart automation solutions.

- Ensured strict adherence to safety regulations and legal requirements specific to the cinema and entertainment industry.

- Played a key role in positioning Mica Cineplex as a premier destination for both entertainment and professional events, leveraging advanced technologies like Qube DCP players , smart automation , and self-ticketing systems to deliver exceptional experiences.

Site Manager   05/2020 - 05/2022
IRITCO

As the Site Manager at Kish International Airport Project, I was responsible for leading a team of skilled professionals in managing comprehensive IT and network infrastructure projects from inception to completion. Our team handled the full spectrum of project activities, including design, implementation, and operational support to ensure a seamless and high-performing network.

- Leadership & Project Management: Oversaw a team tasked with designing, cabling, installing, and configuring a robust network infrastructure tailored to the unique needs of an international airport environment.

- Data Center & Storage Solutions: Designed and built data center infrastructure, incorporating high-capacity Tape, SAN stor-

age and UTM systems to support critical airport operations, ensuring data security, redundancy, and scalability.

- Network Design & Implementation: Led the implementation of complex network systems, utilizing industry-leading technologies such as Cisco switches, firewalls, Routers and Wi-Fi solutions to create a resilient and secure architecture.

- Structured Cabling & Hardware Deployment: Managed the deployment of structured cabling systems and installation of core network equipment, adhering to industry best practices and safety standards.

- System Optimization & Maintenance: Ensured optimal network performance through regular monitoring, configuration management, and fine-tuning of the infrastructure to support diverse airport systems, including communication networks, surveillance, and security.

- Compliance & Security: Implemented stringent compliance and security measures, ensuring the network met both local and international standards for safety and operational reliability. This role required a blend of technical expertise, project management skills, and the ability to work under pressure, ensuring that the airport's IT and network infrastructure was not just functional, but resilient and future-proof.

IT Specialist   11/2018 - 06/2020
University of Tehran

- During my time as a university student, I gained hands-on experience in IT infrastructure management, virtualization, and network administration through various projects and responsibilities. 1- Deployed and Managed VMware Horizon View VDI Infrastructure: Successfully implemented and maintained a virtual desktop infrastructure to provide efficient and scalable desktop environments for end-users. 2- Converted Old Hardware into Diskless (PXE) Zero Clients: Repurposed outdated PCs and Raspberry Pi boards into cost-effective network booting zero clients, reducing hardware costs and improving endpoint management. 3- Installed and Maintained Ubiquiti UniFi Video Surveillance Systems: Configured and managed UniFi Video Camera systems and related network infrastructure, ensuring high-quality surveillance coverage and secure data transmission. 4- Set Up Webinar, Online Class, and LMS Platforms: Deployed and operated platforms for webinars, online classes, and Learning Management Systems (LMS), while designing and implementing the necessary server infrastructure to meet performance and security requirements. 5- Created an Immersive Virtual Tour of the University Campus: Captured 360-degree images and videos using GoPro max camera and utilized Pano2VR software to create an interactive and engaging virtual tour, enhancing the digital presence of the university for prospective students and visitors.

IT Systems Administrator   02/2013 - 02/2018
Kishwood Industries

- Responsibilities:

- System Installation and Maintenance:
- Installed, configured, and maintained critical systems, including:
- Active Directory (DC) for domain control, file and printer sharing, and other DC roles.
- Exchange Server for email management.
- Elastix VOIP system for voice over IP communications.
- VMware ESXi for virtualization and resource management.
- Ensured the smooth operation of all passive and active network operations.
- User Support:
- Responded to user inquiries regarding computer software and hardware issues, providing timely and effective solutions.
- Set up and configured equipment for employee use, including the installation of cables, operating systems, and appropriate software.
- Hardware and Software Management:
- Installed and performed minor repairs to hardware, software, and peripheral equipment.
- Adhered to design and installation specifications to ensure proper setup and functionality.
- Network Configuration:
- Configured wide area network (WAN) and local area network (LAN) routers and related equipment.
- Optimized network performance and ensured reliable connectivity.
- Data Backup:
- Regularly backed up network data to ensure data integrity and availability in case of emergencies.
- Connectivity Support:
- Provided telephone support to resolve networking and connectivity issues, ensuring minimal downtime for users.
- Achievements:
- Successfully managed and maintained a robust IT infrastructure, contributing to the efficient operation of the company.
- Enhanced user productivity by promptly addressing and resolving technical issues.
- Implemented and maintained backup procedures, ensuring data safety and recovery capabilities.

EDUCATION

Master's degree   2021

University of Tehran - Tehran

Master of Science, Information Technology

- Master's in IT with a focus on Computer Networks, GPA: 19.18/20
- Thesis: Enhanced IoT security through Blockchain technology
- Addressed IoT vulnerabilities, proposed innovative security solutions
- Supervised by Dr. Hossein Samimi and Prof. Ali Moeini
- Contributed to secure IoT network design and implementation

Bachelor's degree   2017

Payame Noor University

Bachelor's degree, Information Technology