Fady Bottros Samir

Network And IT Engineer

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🚩 Egyptian   in Fady-Bottros-IT10   🪪 A40929483

👤 PROFILE

Dedicated Network and IT Engineer with proven expertise in designing, implementing, and securing complex network infrastructures. Skilled in optimizing network performance, advanced troubleshooting of routers, switches, and servers, and integrating cybersecurity measures. Proficient in Cisco technologies, network monitoring tools, and managing multi-site networks. Experienced in IT support, cybersecurity, and programming (C++, Java, Python), with a strong ability to drive continuous improvement and ensure the seamless operation of critical systems.

💼 PROFESSIONAL EXPERIENCE

2024/02 – 2025/05
Cairo, Egypt

Don Bosco Technical Italian Institute
Network and System Administator
Network & Systems Lead – IT Infrastructure & Administration
Coordinated the design, deployment, and optimization of network infrastructure, including Active Directory configuration, firewall management, and structured cabling. Achieved a **46% reduction in network downtime** through proactive monitoring and troubleshooting. Led a team for laboratory workstation setup, optimized network performance, enforced security policies, and ensured a stable, high-performance IT environment.

2024/06 – 2024/09
Giza, Egypt

Fantazia Academy
Robotics Instructor
This comprehensive program was designed to inspire and empower students by teaching them programming and robotics, particularly with the EV3 Lego Robotics platform. My goal was to equip them with the skills necessary to participate in global robotics competitions, offering them invaluable hands-on experiences that not only enhanced their technical abilities but also contributed to their personal and professional growth.

🎓 EDUCATION

2021/07 – present
Cairo, Egypt

Italian High School Technical Diploma in IT and Networking,
Don Bosco Technical Italian Institute
Completed a comprehensive program with hands-on training in programming (C++, Java, Python), networking, and cybersecurity. Gained expertise in designing, implementing, and troubleshooting network systems, along with a solid foundation in computer science, electronics, and IT support.

🔤 LANGUAGES

English
Fluent - C1+ level
● ● ● ● ○

Italian
Fluent - C1 Level
● ● ● ● ○

French
Beginner - A2 Level
● ○ ○ ○ ○

Arabic
Mother tongue
● ● ● ● ●

📚 IT COURSES

2023	**Cisco CCNA(200-301)- Pass with David Bombal** David Bombal Online Academy - Udemy
2024 Giza, Egypt	**TOT (Training For Trainers) Diploma In Robotics** Fantazia Robotics Academy
2024	**CompTIA IT Fundamentals (FCO-U61) Complete Course & Exam** Udemy
2024	**CompTIA A+ Core 1 (220-1101) and Core 2 (220-1102) Complete Course & Practice Exam** Udemy
2024 Doki, Egypt	**Cisco CCNA(200-301)** Raya Academy
2024 Doki, Egypt	**CCNP ENCOR** Raya Academy
2025 Doki, Egypt	**MCSA (Microsoft Certified Solutions Associate)** Raya Academy
2025 Doki, Egypt	**Microsoft Azure Fundamentals (AZ-900)** Raya Academy
2025 Cairo, Egypt	**AWS Cloud Practitioner** Manara Tech.
2025	**Cisco CCST Networking Certification Prep Course** Kevin Wallace & Charles Judd - Udemy
2025	**Cisco Junior Cybersecurity Analyst** Cisco Networking Academy
2025	**Cisco Ethical Hacker** Cisco Networking Academy
2025	**Cisco Network Defense** Cisco Networking Academy
2025	**FCF-CyberSecurity Fundamentals** Fortinet Training Institute
2025	**Cisco Network Support and Security** Cisco Networking Academy
2025	**Cisco Network Technician Career Path** Cisco Networking Academy
2025	**FCA-CyberSecurity Associate** Fortinet Training Institute

🎖 CERTIFICATES

CompTIA ITF+ (TECH+)
- May 19, 2024
- *candidate ID:*
  COMP001022436810
- *Issued By CompTIA*
- Status: VALID

TOT Robotics Diploma
- June 14, 2024
- Issued By Fantazia Robotics Academy

System and Network Administrator Diploma
- Network Administration (CCNA and CCNP)
- System Administration (MCSA)
- Cloud Fundamentals (Microsoft AZ-900)

</> PROGRAMMING LANGUAGES

C++ — Competent
- Completed **40 projects and labs**
- Studied **structured programming**
- Focused on **object-oriented programming (OOP)**
- Gained experience with **data structures**

Web Development — Competent
- **HTML, CSS, JavaScript** knowledge
- Completed **10 web development projects**

Python — Amateur
- Studied **structured programming**
- Focused on **object-oriented programming (OOP)**

C — Amateur
Here's the list for **C**:
- **Basic C syntax** (not advanced)
- Gained understanding of **structured programming**

Java — Competent
- **50 projects and labs**
- Studied **structured programming**
- Focused on **object-oriented programming (OOP)**
- Gained experience with **data structures**

🔨 TECHNICAL SKILLS

Networking: — Proficient
Routing, Switching, Network Design, Troubleshooting, VLANs, VPNs, Cisco Technologies

Programming — Competent
C++, Java, Python — Object-Oriented Programming, Data Structures, Git, GitHub

Systems Administration: — Proficient
Active Directory, Windows Server, Linux Administration, Virtualization

Cloud & Virtualization — Competent
AWS, Microsoft Azure, VMWare

Cybersecurity — Proficient
Ethical Hacking, Penetration Testing, Firewall Management, Network Security

🧠 SOFT SKILLS

Time Management & Organization:

Adaptability & Continuous Learning:

Innovative & Critical Thinking

Customer Support & Communication

Teamwork & Collaboration:

Project Management:

Leadership & Initiative:

🏠 ORGANIZATIONS

2025

Youth and Future - Manifesto for Change
Contributor And Author
Authored a thought-provoking essay on societal transformation for the 'Manifesto for Change' project, led by Giovanni Caccamo. My work was selected from thousands of submissions, translated into Italian, and included in a book published by Treccani in March 2025. Collaborated with a team in the editing process to align the content with the project's goals, contributing to a publication that supports scholarships for young people in need.