

Iulian Andrei Ionita

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Profile

As a dedicated and detail-oriented third-year IT student, I am building a strong foundation in Microsoft networking technologies and system administration. Through coursework, hands-on labs, and personal projects, I have gained experience in configuring Windows Server roles, managing Active Directory and Entra ID, and understanding network security with Microsoft Defender. I am also developing skills in PowerShell automation, Azure networking, and troubleshooting using tools like Wireshark, Fiddler, and Event Viewer. With a passion for continuous learning and problem-solving, I am eager to apply my knowledge in real-world IT environments and contribute effectively to a technical team.

Experience

OSFIIR - The Organization of Students from the Faculty of Industrial Engineering and Robotics

Nov 2019- June 2020

As a community service volunteer, I participated in organizing events, supporting student initiatives, and contributing to the development of activities related to industrial engineering and robotics. My role included assisting with event logistics, coordinating with fellow students, and promoting collaboration within the academic community.

Education

University POLITEHNICA of Bucharest

Bucharest, Romania

Bachelor of Science (B.S.)

Advanced Robotics & Automation for Biotechnical Applications

Expected Graduation: June 2026

Skills & Abilities

Technical Skills:

Networking & System Administration –
Configuring TCP/IP, DNS, DHCP, VLANs, and
subnetting in a Microsoft environment.

Windows Server & Active Directory –
Managing Group Policies (GPOs), user

authentication, and access control in
enterprise networks.

Azure Networking & Cloud Computing –
Understanding Virtual Networks (VNet),

Network Security Groups (NSG), VPN Gateways, and cloud security principles.

PowerShell & Automation – Writing scripts to automate system tasks, network configurations, and Active Directory management.

Troubleshooting & Diagnostics – Using tools like Wireshark, Fiddler, Event Viewer, and Performance Monitor for issue resolution.

Microsoft 365 Administration – Managing Exchange Online, OneDrive, SharePoint, and Teams networking aspects.

Virtualization & Hyper-V – Setting up and managing virtual machines, virtual switches, and resource allocation.

Cybersecurity & Endpoint Protection – Implementing Microsoft Defender for Endpoint, firewalls, and access control policies.

Remote Access & VPNs – Configuring Always On VPN, RADIUS, DirectAccess, and SSTP-based remote access solutions.

IT Support & Technical Documentation – Providing technical assistance and writing knowledge base articles for troubleshooting.

Soft Skills

Analytical & Problem-Solving Skills – Ability to troubleshoot IT issues efficiently and logically.

Quick Learner & Adaptability – Enthusiastic about learning new technologies and staying updated with industry trends.

Team Collaboration & Communication – Strong teamwork skills with the ability to explain technical concepts clearly.

Attention to Detail – Ensuring system configurations, security settings, and documentation are accurate.

Project & Time Management – Balancing academic responsibilities with hands-on IT projects and learning initiatives.

Activities and Interests

- Networking & Cybersecurity – Passion for securing and optimizing IT environments.
- Cloud Computing & Virtualization – Exploring Microsoft Azure, Hyper-V, and containerization.
- Automation & Scripting – Experimenting with PowerShell, Bash, or Python for IT automation.
- Troubleshooting & System Optimization – Enjoys debugging and fine-tuning systems for better performance.
- Tech Blogging & Knowledge Sharing – Writing about IT concepts or creating tutorials for peers.
- Gaming & Esports – Interest in gaming hardware, networking performance, or game server management.

Technical Projects & Accomplishments

➔ Active Directory & Group Policy Implementation

Description: Set up a Windows Server Active Directory (AD) environment with Group Policies (GPOs) for user authentication, access control, and security policies.

Skills Used: Windows Server, Active Directory, Group Policy, PowerShell.

Outcome: Successfully configured user roles, permissions, and security policies to enhance enterprise security.

➔ **Azure Virtual Network & VPN Deployment**

I have created a secure Virtual Network (VNet) in Microsoft Azure, integrating VPN Gateway for remote access and testing network segmentation.

Skills Used: Azure Virtual Networks, Network Security Groups (NSG), VPN Gateway, PowerShell.

Outcome: Improved cloud network security and remote accessibility, demonstrating cloud networking proficiency.

➔ **Automated Network Monitoring with PowerShell**

I have developed a PowerShell script to monitor network traffic, check server uptime, and generate alerts for downtime or security risks.

Skills Used: PowerShell scripting, Windows Event Viewer, Performance Monitor, Automation.

Outcome: Enhanced network reliability by reducing downtime and automating system health checks.

➔ **Microsoft Defender Security Optimization**

I have managed to configure Microsoft Defender for Endpoint to enhance network security, implementing security baselines, attack surface reduction, and real-time threat detection.

Skills Used: Microsoft Defender, Windows Security, Threat Management, Cybersecurity Policies.

Outcome: Improved endpoint security by reducing vulnerabilities and implementing best practices.

➔ **Hybrid Microsoft 365 & On-Premises Integration**

I have integrated Microsoft 365 services (Exchange Online, SharePoint, OneDrive) with an on-premises Windows Server environment using Azure AD Connect.

Skills Used: Microsoft 365 Administration, Exchange Online, SharePoint, Azure AD Connect.

Outcome: Enabled seamless authentication and collaboration between on-prem and cloud services, showcasing cloud-hybrid expertise.

Languages

- English – C1
- French – A1.2
- Romania - native