

Iosif (Sifis) Lazanakis

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Passionate Electrical and Computer Engineer with a strong foundation in Computer Engineering, Cybersecurity and Software Development, eager to grow through applying my skills to hands-on challenges and innovative problem-solving.

Work Experience

National Defence IT Support Center – Hellenic National Defence General Staff

Network and Systems Engineer

11/2024 – 09/2025

- **Configuration** and **Administration** of Unclassified, Classified, and **Top-Secret systems** and **networks**.
- Managed **Active Directory**, **Print Server** and **DNS Server**.
- Developed **teamwork**, leadership and communication skills in a structured command environment.
- **Technical and Network Support** operations.
- New members **training** and **technical documentation authoring**.
- Fulfillment of compulsory military service.

i-docs.com

Internship

07/2019 – 08/2019

- Authored welcoming documentation for new employees, making them comfortable with the company's operations.
- Familiarized with core technologies, like **SQL**, **Git**, **XML**.

Education

University of Patras, School of Engineering

Electrical and Computer Engineering

10/2018 - 03/2024

Diploma and Integrated Master of Engineering, 300 ECTS

Grade: Very Good

Thesis: "Privacy preservation of biometric driven data for user authentication: system implementation and evaluation"

Grade: 10/10

Certifications and Courses

(ISC)²

Certified in Cybersecurity (CC)

06/2025 – 05/2028

- Security Principles (**CIA Triad**, **Authentication**, Risk Management, **Security Controls**)
- Business Continuity, Disaster Recovery and Incident Response Concepts
- Access Control (Physical Access, **Logical Access**, **MAC**, **DAC**, **RBAC**. Least Privilege)
- Network Security (**OSI Model**, **TCP/IP**, **Network Threats**, **IDS**, Prevention Measures, Infrastructure Security Design)
- Security Operations (**Data Security**, System Hardening, Best Practices, Security Awareness)

Cisco Networking Academy

Linux Unhatched

- Basic Linux Commands, File Manipulation and File System
- **Bash** Scripts
- Networking **Configuration**, Users and Permissions

Linux Essentials

- Linux Commands, File System and **Scripting**
- Text Editing with **vi**, nano

- Archiving and Compression
- Networks and Security (Administration, **Permissions**, Ownership)

TryHackMe

Cybersecurity 101 Learning Path

- Computer **Networking** and **Cryptography** (Wireshark, TCPdump, Nmap, Cryptography, Hashing)
- Microsoft **Windows**, **Active Directory** and **Linux** basics
- Offensive Security Tools (**Metasploit**, **Burp Suite**, **OWASP**)
- Defensive Security Tools (**SIEM**, **Firewalls**, **IDS**, CyberChef)

Languages

- Greek: Native language
- English: CEFR C2

Technical Skills

Microsoft Windows | Linux | User Authentication | Biometric Data Protection | Encryption Schemes (Homomorphic Encryption, Symmetric Encryption, Asymmetric Encryption) | Network Protocols | OSI Model | Wireshark | DHCP | Mail Relay Server (Postfix, Dovecot, ClamAV, Spamassassin) | Firewalls (iptables, Shorewall) | DNS Servers (bind9) | Intrusion Prevention Software (Fail2Ban) | Bash Scripts | nginx | VMWare | Python 3 | Java | SQL | JavaScript | Git | Maven | Node.js | Express.js | Vue.js | Django | Microsoft Office (Word, Excel, PowerPoint)

Projects

Cybersecurity Home Lab

- Local Network using three **Debian**-based Virtual Machines (VM) to simulate a corporate network architecture.
- One VM plays the role of the security solution, by implementing a **Firewall**, a **DNS**, a **DHCP** and a **Mail Relay server**.
- The second VM plays the role of the **Mail Server** and **HTTP Server**, passing traffic through the Mail Relay Server.
- The third VM plays the role of the client.
- Used **open-source** software (Shorewall, bind9, isc-dhcp-server, nginx, Postfix, Dovecot, ClamAV, Spamassassin)
- Virtual networks creation to enable communication between the host machine, the local network and its subnets.

Personal Portfolio (sifislaz.github.io)

- Developed using HTML5, CSS3, JavaScript and Bootstrap 5.
- Hosted through GitHub Pages feature.
- Source code: <https://github.com/sifislaz/sifislaz.github.io>.

DNS Spoofing Demo

- Firewall (iptables), **Intrusion Prevention Software** (fail2ban) and DNS Server (bind9) implementation on Debian VM.
- Demonstration of a **DoS attack prevention**, firewall **traffic management** and how **tampering** with **DNS zone files** can lead a user to a non-legitimate website.
- Project of a University Course.

Volunteering

13th Electrical and Computer Engineering Students Conference (ECESCON 13)

IT Team Member

- Front-End Development using HTML5, CSS3, JavaScript and Bootstrap.

11/2021 - 05/2022

- Technical Support during the conference (Microsoft PowerPoint, Zoom Meetings, OBS Studio)
- Teamwork, Cooperation with colleagues, Utilize feedback to improve my work.

EUROAVIA AS Patras

IT Team Member

01/2021 - 10/2022

- Website development using WordPress, HTML5 and CSS3.
- Technical support to online events and talks using OBS Studio, Microsoft PowerPoint, Zoom Meetings.
- IT Support Responsible on 20MOI vol. 5, the keynote event of EUROAVIA AS Patras.

EESTEC LC Patras

Academics Responsible on International Event about 5G

02/2019 - 05/2019

- Responsible for organizing the academics schedule of the event, in cooperation with professors from University of Patras.
- Hosting students from all over the Europe.
- Interpersonal communication, Networking, Organizational skills, Cross-cultural communication.

Academy Team Member

01/2019 - 12/2019

- Responsible for organizing lectures and seminars about Electrical and Computer Engineering matters, in cooperation with professors from University of Patras.
- Professional Outreach, Networking, Teamwork, Organizational Skills.

Blood Donor

References

Academic and professional references can be provided upon request.