

Iosif (Sifis) Lazanakis

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Profile

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 – 16/9/2025

- **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**.
- Compulsory Military Service fulfillment.

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

2018 - 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)

1/6/2025 – 31/5/2028

- 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**, REMnux)

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

The main project I am currently working on, is building a local network consisted of 3 Virtual Machines and my host machine. One VM (Bob) will have the role of a **Firewall** (Shorewall), **DNS** (bind9), **DHCP** (isc-dhcp), **HTTP** (nginx) and a **Mail Relay Server** (Postfix, Dovecot, ClamAV, Spamassassin). The second VM (Alice) will have the role of a Mail Server (Postfix) behind the Mail Relay Server and the third VM will be a client. This implementation demands the deployment of three virtual networks, one for the communication of the host machine with Bob, one for the communication of Bob with Alice (and the server subnet) and one for the communication of Bob with the client subnet.

Personal Portfolio ([sifislaz.github.io](https://github.com/sifislaz/sifislaz.github.io))

I have developed and I maintain my personal portfolio using HTML5, CSS3, JavaScript and Bootstrap 5. In order to host the website online, I use the GitHub Pages feature. The source code is available on the following repository: <https://github.com/sifislaz/sifislaz.github.io>.

DNS Spoofing Demo

In the context of Modern Security Applications University course, I have built a VM on which I have implemented a **Firewall** (iptables), an **Intrusion Prevention Software** (fail2ban) and a **DNS Server** (bind9). After that, I have demonstrated how the IPS prevented a DoS attack, how the firewall managed the network traffic based on the configuration rules and how by tampering with the zone files of the DNS server, a user can be redirected to another website than the one intended.

Volunteering

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

IT Team Member

11/2021 - 05/2022

- Front-End Development using HTML5, CSS3, JavaScript and Bootstrap.
- Technical Support during the conference (Microsoft PowerPoint, Zoom Meetings, OBS Studio)

- Teamwork, Communication Skills, 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.
- Communication Skills, Networking, Teamwork, Organizational Skills.

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.
- Communication Skills, Networking, Teamwork, Organizational Skills.

Blood Donor

References

Academic and professional references can be provided upon request.