

Ioannis Dimos

Cybersecurity Analyst · Network Engineer · Full-Stack Developer

dimos.is.dev@gmail.com

+30 698 919 7219

Athens, Greece

linkedin.com/in/jiannisnw github.com/wannabexaker wannabexaker.github.io

20+ yrs

HANDS-ON NETWORK, RF & FIELD
ENGINEERING

Purple team

OFFENSIVE + DEFENSIVE SECURITY
MINDSET

200+ links

MICROWAVE P2P · LARGE-SCALE IOT
METERING

Self-taught since the age of nine — from wiring LANs and running my own servers as a teen to twenty years of hands-on networking, RF and field engineering. Network engineer and cybersecurity analyst with a purple-team mindset: I think like an attacker, defend like an engineer. I build MikroTik infrastructure, complex VLANs and VPN tunnels, run authorized security assessments across web, wireless, infrastructure, social engineering and physical access, then stay to harden what I find — and ship the automation and full-stack tools that tie it together in Python, C# / .NET and TypeScript.

EXPERIENCE

Junior Software Developer — PeopleCert

2025 – present · Athens

- ▶ Build features in C# / .NET with SQL Server (SSMS), shipping to production each release cycle.
- ▶ Drive application-security improvements — data protection, password hashing, role-based access control and secure configuration.
- ▶ Run hands-on security testing against our own code: SQL injection, login-bypass attempts and authentication hardening.
- ▶ Joined the product team straight out of the company's in-house full-stack bootcamp.

Field Technician, RF & Fiber — Solify

02/2021 – 11/2023

- ▶ Installed and programmed **200+ microwave P2P links** (18–90 GHz) across customer sites.
- ▶ Built coaxial and optical-fiber cabling on customer sites — completed **200+ fiber splices** and home / street FTTH hub installations.
- ▶ Ran RF site surveys, frequency planning and Fresnel-zone analysis; spec'd hardware to coverage targets with zero safety incidents.

- ▶ Operated and maintained large-scale smart water-metering networks — **tens of thousands of meters** over LoRa/wMBUS (868 MHz) with high read coverage from a lean repeater/concentrator topology.
- ▶ Led R&D on wMBUS/LoRa smart metering and remote control of PV and autonomous systems; automated metering workflows in Python.
- ▶ Planned meter-reading routes, logged readings to the database, and ran fault detection, replacement and billing-register corrections on faulty units to finalize consumer billing.
- ▶ Produced the GIS network design, managed new-unit ordering, and trained new field staff on operating procedures.
- ▶ Designed new field equipment with my team — a CAD-designed enclosure on a custom steel base that we used as a prototype for remote network control.

IT Technician — Alman Hellas

09/2017 – 01/2018

- ▶ Diagnosed and repaired faulty hardware and kept warehouse operations running.
- ▶ Logged system status and supported the lead technician in maintaining uptime.

Freelance IT & Network Consultant — Self-employed

2004 – present

- ▶ 20 years designing networks, wireless, web apps and IoT for retail, hospitality and manufacturing clients across Greece.
- ▶ FTTH contract work: installed **200+ street fiber distribution boxes** (BMO / BEP), Phase-C home-entry and in-home terminations; completed **1,000+ fiber splices**.
- ▶ Now focused on home-lab security research, authorized assessments and open-source tooling.

SELECTED PROJECTS

NetSentry

[/NetSentry](#)

Telegram-driven monitoring & control for MikroTik networks — real-time alerts, guest-WiFi QR rotation and automated config backups.

PYTHON · RASPBERRY PI · ROUTEROS

EM Spectrum Explorer

[live ↗](#)

Interactive electromagnetic-spectrum atlas (1 Hz → 10²⁶ Hz) with WebGL zoom/pan — RF bands, wireless tech and modulation types.

TYPESCRIPT · WEBGL · PWA

SafestNotes

[/Safest-Notes](#)

Offline Android notes with AES-256-GCM per-note encryption, biometric unlock and zero network access. Privacy-first by design.

KOTLIN · ANDROID · CRYPTO

MCQ Trainer

[live ↗](#)

Exam trainer for Networking / Security / IT with AI question generation, exam & practice modes. Offline PWA, also shipped as Android APK.

TYPESCRIPT · PWA · AI

More — incl. The Eye in the Sky (full-stack sim · Next.js / NestJS / SQL Server) — at github.com/wannabexaker

CORE SKILLS

Security

- Penetration testing
- Web & wireless assessments
- Exploitation · privesc
- SIEM · IDS/IPS (Suricata)
- Incident response · log analysis
- Detection engineering · MITRE ATT&CK
- Security hardening
- Social engineering · pretexting
- Physical access · RFID/NFC cloning
- BadUSB / Rubber Ducky
- OSINT
- Burp Suite · Metasploit · Nmap · Nessus · ZAP · Hashcat
- Kali · ParrotOS · Wireshark

Networking

- OSPF multi-area · BGP peering & policy
- Complex VLANs · 802.1Q
- TCP/IP · IPv4/IPv6
- MikroTik / RouterOS
- IPsec · WireGuard · OpenVPN
- 802.1X / NAC · WPA2/WPA3-Ent
- MPLS · QoS · NAT · captive portal
- Network automation (Python)

RF & Wireless

- Wi-Fi a/b/g/n/ac/ax (2.4/5/6 GHz)
- LoRa · wMBUS
- Microwave P2P (18-90 GHz)
- SDR · spectrum analysis
- Antenna alignment · Fresnel · frequency planning

Dev & Systems

- Python · C# / .NET
- TypeScript · React · Next.js
- Vue.js · NestJS · Node
- PostgreSQL · MSSQL · MongoDB
- Docker · Proxmox
- Grafana + Prometheus

Field & Hardware

- Fiber splicing / PON · OTDR
- CCTV integration
- Photovoltaic systems
- GIS / AutoCAD · site surveys
- RPi · Arduino · ESP32
- Modbus · RS-485 / RS-232

FAMILIAR Cloud (AWS / Azure) · AI integration (llama.cpp / GGUF) · Java / Spring Boot · Rust (basics)

EDUCATION

- Fullstack Developer Bootcamp · 2025
PeopleCert — C#, JavaScript, Vue.js, PostgreSQL, SSMS
- Network & Telecom Technician · 2023
IEK Omiros
- Web Design & Applications · 2018
Techniki Ekpaideftiki
- IT Networks & Computer Applications · 2012
EPAL

LANGUAGES

Greek

English

Native

C2

CERTIFICATIONS

- PRINCE2® 7 Foundation
PeopleCert · 2026
- C# Foundation
DevOps Institute · 2025
- UAS Pilot, Level 1 & 2
Geosense / HCAA · 2022
- Geographic Information Systems
Easy Computer · 2022
- Pump Systems Operation
Wilco Hellas · 2022