Ioannis Dimos

dimos.is.dev@gmail.com
+30 698 919 7219
Athens, Greece

Network & Telecommunications Engineer · RF & Fiber

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

200+ links

MICROWAVE P2P (18-90 GHZ)
INSTALLED & PROGRAMMED

LoRa / wMBUS

LARGE-SCALE IOT METERING NETWORKS

Multi-site IoT

VPN-SEGMENTED DEVICE NETWORKS,
MIKROTIK-CENTRIC

Network and telecommunications engineer with hands-on field experience across microwave P2P links, LoRa/wMBUS IoT metering, WiFi and fiber/FTTH. I design, install, program and maintain networks end to end: MikroTik infrastructure, complex VLANs and VPN tunnels, RF site surveys and frequency planning, with operations automated in Python. I also build software full-time (C# / .NET at PeopleCert) and use AI daily to automate tooling and scripting, keeping a security-first, automation-minded approach at the centre of my network work. A methodical, well-organised problem-solver, I work equally well solo or in a team, always with a positive attitude.

EXPERIENCE

Field Technician, RF & Fiber - Solify

02/2023 - 11/2024

- Installed and programmed **200+ microwave P2P links** (18-90 GHz) across customer sites.
- Built coaxial and optical-fiber cabling on customer sites, completing **hundreds of fiber optic installations** and home / street FTTH hub builds.
- Ran RF site surveys, frequency planning and Fresnel-zone analysis; specced hardware to coverage targets with zero safety incidents.

IoT & AMR Operator - Melcer

06/2021 - 01/2023

- 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.
- Managed **hundreds of grouped IoT field devices** across multiple regions over VPN: repeaters and concentrators centralised on a single MikroTik router paired with a Raspberry Pi, with strict per-region isolation and live alarm monitoring through routing/IP design alone, no third-party platform.
- Led R&D on wMBUS/LoRa metering and remote control of PV and autonomous systems; automated metering workflows in Python.
- Produced the GIS network design, planned meter-reading routes, ran fault detection and billing-register corrections, and trained new field staff.

Junior Software Developer - PeopleCert

2025 - present · Athens

- Build features in C# / .NET with SQL Server and drive application-security improvements - access control, data protection and hands-on security testing.

IT Technician - Alman Hellas 09/2017 - 01/2018

- Diagnosed and repaired faulty hardware, kept warehouse operations running and supported the lead technician on uptime.

Independent Technical Projects - project-based, self-directed 2004 - present

- Project-based network, wireless and IoT work for retail, hospitality and manufacturing clients across Greece, undertaken alongside salaried roles.
- FTTH contract work: **hundreds of street fiber distribution boxes** (BMO/BEP), Phase-C home-entry and in-home terminations.

CORE SKILLS

Networking	MikroTik / RouterOS · Complex VLANs · 802.1Q · OSPF · BGP · VPN (IPsec / WireGuard / OVPN) · 802.1X / NAC · QoS · Network automation (Python)
RF & Wireless	Microwave P2P (18-90 GHz) · LoRa · wMBUS (868 MHz) · WiFi a/b/g/n/ac/ax · Antenna alignment · Fresnel · Frequency planning · spectrum analysis
Fiber & Field	Fiber splicing · PON · OTDR · FTTH (BMO / BEP) · GIS / site surveys · CCTV · Photovoltaic
Dev & Security	AI-assisted automation (scripting) · Python · C# / .NET · Linux · Docker · Security-first network & app hardening

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EDUCATION

Network & Telecom Technician · 2023
IEK Omiros

IT Networks & Computer Applications · 2012
EPAL

Fullstack Developer Bootcamp · 2025
PeopleCert

CERTIFICATIONS

UAS Pilot, Level 1 & 2
Geosense / HCAA · 2022

Geographic Information Systems
Easy Computer · 2022

Pump Systems Operation
Wilo Hellas · 2022

LANGUAGES

Greek	English
Native	C2