

# Hilmi Belgacem

## Security Engineer & Systems Architect

Red Team | Network Security | Digital Forensics | Automation

Reggio Emilia, Italy | Remote

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### PROFESSIONAL SUMMARY

Security Engineer and Systems Architect with extensive hands-on experience in offensive red teaming, penetration testing, enterprise network security, and infrastructure design. Background spans roles as Cybersecurity Engineer, Network Security Engineer, and Systems Administrator across ISP, consulting, and enterprise environments. Managed real incident responses, enterprise-grade firewall deployments, and advanced threat analysis via EDR and SIEM platforms in high-criticality environments. Currently supporting remote and on-site ISP-level network operations for 500+ business clients at WiMore, including the design of the company cybersecurity department and internal training platform. Founder of ExploitNet — a cybersecurity consulting network bridging Italy and North Africa. Available immediately for remote positions as Security Engineer, Network Security Engineer, or Cybersecurity Analyst.

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### PROFESSIONAL EXPERIENCE

#### IT Specialist / Network Support — ISP Operations

Nov 2025 – Present

[WiMore \(wimore.it\)](http://wimore.it) | [Reggio Emilia, Italy](#)

- **Managed 500+ business clients:** troubleshooting CPE devices across Aethra, Cisco, Cambium/cnPilot, and Zyxel product families
- **Designed and implemented** the company cybersecurity department from the ground up, including security policies, monitoring procedures, and incident response protocols
- **Deployed** internal training platform on 360Learning with courses on network security and IT operations for company staff
- Managed GRE tunnels and IPSec configurations on live production infrastructure
- Analyzed and resolved BGP routing issues at ISP scale
- Resolved VoIP/PBX issues on the AareNet platform
- Supported cloud infrastructure and customer networking operations

#### Penetration Tester — Red Team

Feb 2024 – Oct 2025

[IFI Consulting Srl](#) | [Modena, Italy](#)

- **Managed 20+ concurrent client projects**, executing internal and external penetration tests across multiple environments simultaneously
- Conducted 10+ penetration tests in real and simulated environments
- Performed vulnerability scanning with Qualys and Nessus
- Analyzed advanced threats using Cynet EDR and Trend Micro XDR
- Managed critical incident response in corporate environments
- Monitored security events via SIEM ArcSight
- Analyzed malware samples: suspicious scripts, anomalous DLLs, VBS attacks
- Delivered internal cybersecurity awareness training

#### Network Engineer

Oct 2022 – Feb 2024

[IFI Consulting Srl](#) | [Modena, Italy](#)

- Designed and implemented enterprise network infrastructures for multiple clients
- Configured firewalls across Fortinet, Palo Alto, PFSense, and OPNsense platforms
- Managed centralized operations via FortiManager and FortiAnalyzer

- **Deployed 15+ complex HA configurations** including IPSec VPN with site-to-site tunnels in high-availability environments
- Configured L2/L3 switches and routers, VLANs, and stacking setups
- Deployed enterprise VoIP systems with FreePBX and Asterisk

## System Administrator

Oct 2021 – Oct 2022

### GM System Srl | Reggio Emilia, Italy

- Installed and configured Windows, Linux, and Windows Server environments
- Managed Active Directory, DNS, DHCP, and File Server infrastructure
- Administered virtualization with VMware ESXi, vCenter, vNetwork, and NFS/SMB storage
- Implemented backup and disaster recovery with Veeam and Acronis

## FREELANCE & INDEPENDENT PROJECTS

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### Digital Forensics Consultant

2025 | Freelance

#### Studio Rovali | Reggio Emilia, Italy

- Delivered forensic analysis of digital signatures on PDF documents for civil litigation
- Analyzed Superbonus 110% fiscal and construction dispute documentation — Italian judicial context
- Produced neutral technical expert report and simplified informational note for CTU and client
- Performed metadata extraction, timestamp validation, certificate chain analysis, and document integrity verification

### Cybersecurity Collaborator

Ongoing | Freelance

#### FD Consulting | Italy

- Executed independent cybersecurity engagements within a network of specialized professionals

### Founder & Technical Architect

2023 – Present

#### ExploitNet | exploitnet.com

- Founded and built a cybersecurity consulting network connecting tech talent between Italy and North Africa
- Developed RedReaper: automated CVE intelligence and alerting system using n8n pipelines
- Deployed local LLM environments using Ollama for AI-assisted security workflows
- Produced cybersecurity educational content reaching thousands across social platforms

## CERTIFICATIONS & TRAINING

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- **eJPT — Junior Penetration Tester** | INE Security | 2025 [In Progress]
- **Trend Vision One XDR Advanced** | Trend Micro | 2024
- **Trend Vision One Platform Advanced** | Trend Micro | 2024
- **NSE 4 — Network Security Expert** | Fortinet | 2023
- **Web Application Penetration Testing** | Independent Training | 2023
- **Certified Ethical Hacker — CEHV9** | EC-Council Curriculum | 2022
- **Ransomware Defense: FreeNAS, PiHole & Veeam** | Independent Training | 2021

## TECHNICAL SKILLS

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**Security:** Penetration Testing · Red Teaming · Vulnerability Assessment · Incident Response · Malware Analysis · Cynet EDR · Trend Micro XDR · SIEM ArcSight · Qualys · Nessus · CVE Tracking

**Network:** Fortinet · Palo Alto · PFSense · OPNsense · FortiManager · FortiAnalyzer · BGP · GRE · IPSec VPN · High Availability · VLAN · L2/L3 · FreePBX · Asterisk · Cisco · Cambium · Zyxel · Aethra

**Systems:** Linux · Windows Server · Active Directory · VMware ESXi · vCenter · Proxmox · CyberPanel · Veeam · Acronis · VPS Management

**Automation:** n8n · Workflow Automation · Ollama · Local LLM Deployment · AI-Assisted Security Pipelines

**Forensics:** PDF Digital Signature Analysis · Metadata Forensics · Certificate Chain Validation · Legal Technical Reporting

**Dev:** HTML · CSS · JavaScript · PHP · SQL · Three.js · Google Analytics 4

## LANGUAGES

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**Italian:** Native | **Arabic:** Native | **French:** Full Professional Proficiency | **English:** Full Professional Proficiency

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*Open to remote opportunities | Available immediately*

*Short bio for online forms: Security Engineer and Systems Architect with 3+ years in penetration testing, red teaming, and enterprise network security. Certified NSE 4 (Fortinet). Managing 500+ clients at ISP level. Founder of ExploitNet. Open to remote opportunities.*