




Enric Perpinyà Pitarch

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ABOUT MYSELF

I am a network and software engineer with a degree in telecommunications and a double master's in cloud and network infrastructure in Aalto, Finland, and KTH, Sweden. I have already been involved in open-source projects that thousands use daily. I have also developed several websites with significant traffic. The technical part is important, but the person behind it is even more so if you want to meet, please don't hesitate to contact me!

WORK EXPERIENCE

1 FEB 2024 – CURRENT Palma, Spain

● **ICT Network automation engineer** Grupo SAMPOL

- I am the coordinator of a project to secure the hotel networks of a large hotel chain. I have also participated as a technician myself.
- I developed several network automation tools to make large deployments in less time and with fewer errors. Most of them are being used in the hotel project.

1 JUL 2021 – 10 SEP 2021 Palma, Spain

● **ICT network engineer** Grupo SAMPOL

- Mapping the network infrastructures of hotels.
- Development of libraries for automatic detection of devices on the installations (device agnostic).
- Development of libraries for automatic upgrade of software over the routers and access points.

1 JUN 2022 – 1 AUG 2022 Pama, Spain

● **ICT network engineer** Grupo Sampol

- Mapping the network infrastructures of hotels.
- Development of libraries for automatic diagnostic of hardware.

EDUCATION AND TRAINING

20 AUG 2022 – CURRENT Stockholm, Sweden

● **(Master) ICT Innovation in Cloud and Network Infrastructures** Kungliga Tekniska högskolan (KTH)

Website <https://www.kth.se/en>

20 AUG 2022 – CURRENT Espoo, Finland

● **(Master) ICT Innovation in Cloud and Network Infrastructures** Aalto University

Interdisciplinary master from EIT of European Union (European Institute of Technology). In my specific case my univesities are Aalto and KTH. (<https://masterschool.eitdigital.eu/cloud-and-network-infrastructures>).

Website <https://www.aalto.fi/en> | **Final grade** 4,54/5

1 SEP 2017 – 15 MAY 2021 Barcelona, Spain

● **(Bachelors) Telecommunications Engineering** Politechnical University of Catalonia (UPC)

Website <https://www.upc.edu/en/> | **Final grade** 7.31/10 | **Thesis** QUIC over IP Multicast

Link <https://upcommons.upc.edu/handle/2117/375321>

LANGUAGE SKILLS

MOTHER TONGUE(S): Catalan | Spanish

Other language(s):

English

Listening C1

Spoken production C1

Reading C1

Spoken interaction C1

Writing C1

Chinese

Listening A1

Spoken production A1

Reading A1

Spoken interaction A1

Writing A1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user

DRIVING LICENCE

● **Driving Licence: B**

PROJECTS

1 JAN 2024 - CURRENT

● **Open-Source maintainer: FakeNOS**

FakeNOS is a lightweight network simulator. It is meant to test software on large networks with hundreds or thousands of switches, routers, and firewalls.

I have been interviewed in the network automation nerds podcast: <https://packetpushers.net/podcasts/network-automation-nerds/nan070-fakenos-an-open-source-nos-for-network-testing/>

Link <https://fakenos.github.io/fakenos/>

1 FEB 2024 - CURRENT

● **Open-source contributor: NTC-Templates**

NTC-Templates is a repository of TextFSM templates for network devices and a Python wrapper for TextFSM's CliTable. TextFSM is a tool that helps make parsing cli commands more manageable. I implemented all the Huawei SmartAX templates.

Links <https://github.com/networktocode/ntc-templates/pull/1663> | <https://github.com/networktocode/ntc-templates/pull/1650> | <https://github.com/networktocode/ntc-templates/pull/1667>

1 SEP 2023 - CURRENT

● **Engrescat**

Engrescat is a contest held in Barcelona by Telecogresca, the biggest university festival organized by university students in Spain. I made this website for deciding the finalist who will be able to perform at the festival. I made it using Wagtail - Django and DaisyUI - TailwindCSS as the main frameworks/libraries. There is an admin panel to control the phases, editions, contestants, and all the business logic and the content of the website itself.

Link <https://engrescat.org>

1 JUL 2022 - 30 SEP 2022

● **Namubufferi**

I designed an internal website for Athene Guild at Aalto University. I made it for managing the fridge inside the guild. It handles all the transactions and the payment gateway using MobilePay (the mobile payment system in Finland). It uses Django and tailwindCSS.

Link <https://namubufferi.fi>

1 JUL 2021 – 1 SEP 2022

Multicast Extension for QUIC

Attending the "Multicast Extension for QUIC" proposal meetings in the W3C.

Link <https://datatracker.ietf.org/doc/draft-jholland-quic-multicast/>

HOBBIES AND INTERESTS

Music

I started playing the clarinet and piano at fifteen when I was seven years old. I play in a band in Palma of Majorca (Banda Musical Son Rapinya), and while I was in Barcelona, I was in the UPC Orchestra. In 2021, I was co-founder of the UPC Orchestra association.

Sports

I like to go to the gym to keep in shape mentally and physically and to do long walks as well.

Do websites

I like to help as much as possible in the organizations I belong to. Almost every organization nowadays has a website, so I try to help develop and improve them.

Dancing Salsa

During my stay in Finland, I started dancing salsa at Aalto University.

CERTIFICATIONS

14 AUG 2024 – 14 AUG 2027

Github Foundations

It measures entry level skills with GitHub basics like repositories, commits, branching, markdowns, and project management.

Link https://www.credly.com/badges/b67cd035-5d2c-469d-bbea-111c8666d364/public_url