

*“Intelligence is the ability to avoid doing work,
yet getting the work done.” – Linus Torvalds*

Work experience

June 2020–
current

Senior Software Engineer, *Microsoft*, Milan.

- Linux kernel development in the Azure network team
- Planet scale SDN development
- Network traffic acceleration
- Yocto Project firmware development

July 2017–
May 2020

Senior Software Engineer, *Red Hat*, Milan.

- Linux kernel development
- Open vSwitch development
- iproute2 upstream development
- Working with TCP/IP, IPv6, Netfilter, eBPF, XDP on a daily basis
- Solving networking problems with containers and namespaces

Achievements:

- Assisted two of the largest carriers during their 5G network rollouts
- 100+ commits upstream to the Linux kernel

May 2017–
June 2017

Contractor, *Fiat Chrysler Automobiles*, Cento.

- Firmware engineer

Achievements:

- Design and firmware development for “Foratu”, a Wi-Fi appliance to provide metrics and diagnostics from combustion engines during their manufacturing and testing phase

June 2016–
April 2017

Senior Software Engineer, *Canonical*, Remote.

- Linux kernel/userspace development on Ubuntu and Ubuntu Core
- Snap ecosystem (snapd, snapcraft, store)
- Go software development

Achievements:

- Development of Snap, a containerized, transactional package manager
- Wake-on-WLAN support for the Dell Edge Gateway

June 2014–
May 2016

Senior Software Engineer, *ADB Italy (formerly Pirelli Broadband)*, Milan.

- Wi-Fi Linux driver development
- Firmware development for consumers and small business CPE (customer premises equipment)
- Development of appliances firmware

Achievements:

- Rollout of the Swisscom Centro Business CPE
- Rollout of Fastweb Wow Fi service

July 2009–
May 2014

Software Engineer, *Fluidmesh Networks*, Milan.

- Firmware development on embedded platforms
- Linux Wi-Fi and Ethernet driver development
- Implementation of custom network protocols
- Automated testing with *Selenium*
- FCC and ETSI certification process and hardware debugging with specialized lab tools

Achievements:

- Rollout of the Fluidmesh Mito and Volo product lines
- Development of a remote CLI interface for system administration

May 2008–
June 2009

System Administrator, *Smartlab S.r.l.*, Cosenza, Italy.

- System administration
- Development of digital signage applications

Open source software contributions

open source projects and communities.

- Linux Kernel contributor
- Active in the Linux and open source community
- OpenWrt maintainer
- Contributing to various OSS projects (*iproute2, coreutils, busybox, sane, pppd...*)

Technical skills

Containers and Virtualization	KVM, QEMU, VirtIO, Namespaces, CGroups
Programming languages	C, Go, Java, BASH
Networking Technologies	Open vSwitch, DPDK, XDP, AF_XDP, eBPF
Networking Protocols	TCP/IP, IPV6, 802.11, VLAN, 802.1ad (QinQ), tunnels (PPPoE, VxLAN, GRE, MPLS, Geneve, etc.), DNS, DHCP, LACP
Debugging tools	perf, gdb, valgrind, strace, printk
Other	Make, Git, Qt

Education

2003-Current **Computer Science**, *Università della Calabria*.

Languages

Italian	Native
English	Professional proficiency

Interests and Hobbies

Open-source	Contributing to open-source software projects
Automotive	Mechanic and software Car tuning, CAN-BUS, In Car Entertainment
Electronic	Soldering, Electronic, Hardware Modding
Nerd	I'm interested in technology and science in general