

Work experience

- October 2022–current **Production Engineer, Meta, Milan.**
- Production Engineering on Meta infrastructure (Facebook, Instagram and WhatsApp)
- June 2020–September 2022 **Senior Software Engineer, Microsoft, Milan.**
- Linux kernel development in the Azure network team
 - Network traffic acceleration
 - Yocto Project firmware development
- Achievements:**
- Development of an accelerated datapath for the Dv5 class VM
 - Wi-Fi scan support for WSA (Windows Subsystem for Android)
 - Pushed upstream the global counter for the Linux block devices
- 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 Broadband (formerly Pirelli Broadband Solutions), 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– **Software Engineer**, *Fluidmesh Networks*, Milan.

- May 2014
- 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– **System Administrator**, *Smartlab S.r.l.*, Cosenza, Italy.

- June 2009
- 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
- Contributed to various OSS projects (*iproute2*, *coreutils*, *busybox*, *sane*, *pppd*...)

Languages

Italian Native
English Professional proficiency