Matteo Croce

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Work experience

October 2022– current

Software Engineer, *Meta*, Milan
- Upstream systemd development
- Work on servers storage management in Twine (formerly Tupperware, Meta's managed deployment system for internal backend services).
- Internal CI for Linux kernel

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:
- Launch of Azure Boost, a dedicated hardware to offload virtualization processes from the hypervisor and the host OS
- 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– 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
- Contributed to various OSS projects (*iproute2, coreutils, busybox, sane, pppd...*)

Languages

Italian	Native
English	Professional proficiency