Gabriel **Oltean**



Profile

Passionate network engineer dedicated to continuous professional development. Actively expanding technical skills through core workplace responsibilities, targeted personal projects, and collaborative research initiatives at the Technical University of Cluj-Napoca.

Contact details

gabriel.oltean09@proton.me

Languages:
English (C1),**Romanian** (native)

Skills

- Python, Git
- Cisco IOS, Huawei VRP, Juniper JunOS
- MS Word, Excel, PowerPoint
- Communication and team collaboration

Experience

Network Engineer at *iBrowse (Romania).* **2023.11–pres.**
- Developing and implementing network automation systems meant to help in the management of the company's fleet of CPEs, Switches and APs.
- Monitoring network performance and health using off-the-shelf and internally developed monitoring software in order to take proactive action to ensure SLAs are met.
- Taking part in the maintenance and design of the company's MPLS backbone network. Planning and executing scheduled and unscheduled maintenance on the network, communicating with supplier and customer NOC, Network and Support teams to ensure as little downtime as possible.

Research Engineer at *Technical University of Cluj-Napoca (Romania).* **2026.05–pres**
- Taking part in the research effort with the SENTHICOM-UTCN project, where I am involved in activities regarding edge routing algorithms in Next-Generation mobile networks for V2X communication

Teaching Assistant at *Technical University of Cluj-Napoca (Romania).* **2025.10–2026.06**
- Laboratory work - Teaching basic networking concepts with practical demonstrations using Wireshark and Cisco Packet Tracer

Working Student Software Development at *Bosch (Romania).* **2022.07–2023.11**
- Took part in developing algorithms for object detection,ranging,and proximity sensing using ultrasonic sensors
- Analyzed sensor data to identify and rectify issues related to false positives/negatives and environmental interference
- Evaluated various NoSQL databases such as MongoDB, Cassandra, and Neo4j to determine the best fit for sensor data requirements

Education

Master in Telecommunications. *Technical University of Cluj-Napoca*. **2023–2025**
- Thesis title: *OpenRAN Compliant Deployment in 5G Standalone with Customized xApp*

Bachelor of Engineering in Telecommunications . Faculty Electronics, Telecommunications and Information Technology. *Technical University of Cluj-Napoca.* **2019–2023**
- Thesis title: *Fast-Reroutable Middleboxes Implemented in Programming Protocol-Independent Packet Processor(P4)*

Papers

CUSTOMIZED XAPP FOR OPENRAN COMPLIANT DEPLOYMENT: A 5G STANDALONE APPROACH **2025**
- Authors: *Gabriel Mihai OLTEAN, Andrei-Bogdan RUS, Daniel ZINCA, Virgil DOBROTA*
- Publication: *Acta Technica Napocensis. Electronics and Telecommunications*

Hobbies

Outdoors: Climbing, Via-Ferrata
Indoors: Bouldering, Movies, Boardgames