

## **PHD RESEARCHER LEAD TELECOM ENGINEER**

### **ABOUT**

Our client is a software platform democratizing access to Private 5G networks for enterprises and industries worldwide.

Their platform allows any type of network operator to serve their customers at a lower cost and more flexibility as compared to the solutions offered by the traditional incumbents (i.e. Ericsson, Nokia, Huawei). They achieve this through a combination of virtualization, open-source architecture, multi-vendor support, and open APIs, following a disruptive platform/marketplace approach.

### **DESCRIPTION AND REQUIREMENTS**

We are looking for a Lead Telecoms Engineer to lead the company's Telecom engineering and R&D team. The set of skills and personal characteristics we seek in this role are:

- PhD in Telecommunications, Industrial Engineering or related fields of Research.
- 5+ years of experience in Telecom Engineering.

### **5G RAN skills:**

#### Mandatory

- Understanding of vendor ecosystem and 5G RAN architecture (RU/DU/CU) Understanding of cell configuration parameters (PLMNID, S-NSSAI, earfcn, PCI, TAC, neighbor lists, etc)
- Understanding of RAN sharing options (MOCN/MORAN).

#### Valuable

- Experience working with OSS for operational control of 4G or 5G RAN devices from a RAN vendor
- Experience in RF planning for 5G deployment Experience in optimization (SON)

- Experience working with open-source RAN stacks: OAI, srsLTE, etc

### **5G Core Network skills:**

#### Mandatory

- Understanding of EPC and 5GC architecture and components (AMF/MME, UPF/SPGW, PCF/PCRF, HSS) Understanding of QoS control in core network (QCI, PCC rules)

#### Valuable

- Experience working with open-source core network stacks: Open5gs, Free5gc, Magma, etc

### **WiFi skills:**

#### Mandatory

- Understanding of IEEE 802.11 technology family Understanding of WiFi configuration parameters (SSID, channel bonding, QoS classes, etc)

#### Valuable

- Experience working with the linux wireless networking stack

### **NFV/SDN skills:**

#### Valuable

- Practical experience working with OSM, and knowledge of cloud native technologies (K8s) would be highly valued.

### **Coding skills:**

- Experience in Python, Java (optional)
- Experience in REST APIs
- Personal Characteristics we value: Creative / Lab&I+D / Proactive / Team player

### **WHAT WE OFFER**

- Opportunity to shape a young company with a global aspiration: joining the company now means you will become a pioneer in the area of 5G, private 5G network and beyond 5G networks.
- The existing Co-founders and leadership team combine a solid experience in business strategy, startups, and the telco industry.

- Competitive salary: Competitive salary and proportionate to the qualifications of the candidate. Potential access to employee stock option plan.
- Company benefits: access to continuous learning (Udemy, LinkedIn, Company Talks), fully remote accepted but hybrid mode (1 day at the office in Barcelona) preferable.