

Curricular internship application form

INTERNSHIP JOB TITLE <small>(Indicates the professional role comparable to the activities performed by the trainee).</small>	<h3>Network Service Orchestration</h3>
Applicant company	TM S.p.A.
Requesting Line Function	IP & Transport – Software Defined Networks
Tutor <small>(Indicate the name and references of the colleague who will act as tutor)</small>	Omar Jabr
HRO Reference	Silvia Vercelli
Requested professional profile	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"><input checked="" type="checkbox"/> Master's Degree</div> <div style="text-align: center;"><input checked="" type="checkbox"/> Bachelor's Degree</div> <div style="text-align: center;"><input type="checkbox"/> Diploma</div> <div style="text-align: center;"><input type="checkbox"/> Master Student</div> </div>
Place of work	Torino (part of the work can be executed remotely)
Job Description of the internship <small>(Describe in a simple and exhaustive way the activities that will be carried out by the resource)</small>	<ul style="list-style-type: none"> - Analysis, comparison and development of network service orchestration solutions, including a focus on service modeling and the storage of service instances in a database capable of scaling as data grows (in terms of capacity, concurrence on operations of read/write, response times). The output of the activity should be a comparison between different approaches to network service orchestration as well as the application of the orchestration to a specific use case
Key skills and competences required by the role <small>(Indicate the basic skills and transversal skills necessary to fill the requested role)</small>	<ul style="list-style-type: none"> - knowledge of the principles and objectives of orchestration platforms - knowledge of modeling languages and databases - ability to analyze and synthesize the advantages and disadvantages of different hardware and software systems - aptitude and experience in software development - good interpersonal skills and a strong propensity to work in a team
Technical skills <small>(Indicate the technical and practical knowledge required and the use of methods, materials, tools - necessary to fill the requested role)</small>	<ul style="list-style-type: none"> - Programming Languages: Python, Java, Javascript, Typescript, Angularjs, Angular - Data modeling language Yang - Network Devices OS: Cisco IOS, Cisco IOS-XR, Juniper Junos - Other: Rest API, RestConf API, NetConf, Database (MongoDB, other)

<p>Language skills</p> <p>(Indicate required languages and level of knowledge)</p>	<p>English</p> <p> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> </p> <p> Novice Intermediate Proficient Advanced Expert </p>
<p>Qualifications / Certifications required</p> <p>(Enter the qualifications and degree courses required)</p>	<p>none</p>
<p>Date of compilation</p>	<p>07/11/2022</p>