

About me: Tecnologo III Livello - INFN Bari

## ● WORK EXPERIENCE

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10/2013 – CURRENT – Bari, Italy

**TECNOLOGIST, CLOUD COMPUTING EXPERT** – INFN - ISTITUTO NAZIONALE DI FISICA NUCLEARE

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I have been involved in several projects, both national and european, focussed on the development and integration of open-source solutions for distributed storage and compute systems. I gained a wealth of knowledge and experience in installing, configuring and operating Openstack infrastructures. Presently, I hold the role of system administrator of the production cloud site at the ReCaS datacenter (INFN-Bari) and I'm responsible for its integration in the EGI Federated Cloud. During my participation to the European H2020 Indigo-DataCloud Project (Apr 2015- Sept 2017), I provided important contributions to the realization of the Platform-as-a-Service layer experimenting innovative solutions, like Apache Mesos and Kubernetes, and exploiting the lightweight virtualization based on containers. One of the main achievements obtained thanks to my contribution is the Dynamic On Demand Analysis Service (DODAS) that allows to instantiate an ephemeral distributed computing facility.

In the eXtreme-DataCloud Project (Nov 2017-Apr 2020) I coordinated the activities for the Task 4.3 devoted to the extension of the capabilities of the INDIGO Orchestrator for supporting workflows based on data movement. In the DEEP-HybridDataCloud Project (Nov 20-Apr 2020), I was the deputy of the Work-Package Manager for WP4 devoted to the integration of HPC resources and accelerators in the cloud; in WP5 I was leading the Task 5.1 concerning the PaaS orchestration in multi-aaS hybrid infrastructures, and for the last year of the project I took over the leadership of the whole Work-Package 5.

Currently, I am involved in other projects, in particular in EOSC-Hub I'm the coordinator of the PaaS solutions technical area and the responsible person of the support teams that is providing technical support to the Thematic Services DODAS and Lifewatch.

Finally, since Jan 2020 I've been coordinating the Work Package 5 (Service Evolution and New Developments) of the INFN Cloud project.

01/2003 – 09/2012 – Matera, Italy

**SOFTWARE ENGINEER** – ADVANCED COMPUTER SYSTEMS S.P.A.

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I worked at ACS for almost ten years as software developer and system engineer. I was involved in the design, implementation and testing of software solutions for the ground segments of ESA Earth Observation Missions like Cryosat and GOCE. I coordinated the development and integration activities as system engineer in the Cryosat-2 IPF (Instrument Processing Facility) project and the first phase of the Sentinel-2 PDGS (Payload Data Ground Segment) project. I gained extensive experience in modeling the software components using UML language and programming in C++.

## ● EDUCATION AND TRAINING

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23/07/2001 – Bari, Italy

**MASTER'S DEGREE IN PHYSICS** – University of Bari

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EQF level 7

11/10/2006 – Bari, Italy

**BACHELOR'S DEGREE IN COMPUTER SCIENCE** – University of Bari

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EQF level 6

10/2012 – 10/2013 – Bari, Italy

**SECOND-LEVEL UNIVERSITY MASTER COURSE** – University of Bari

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Distributed computing, grid and cloud computing

EQF level 7

Software Technologies

EQF level 7

Autorizzo il trattamento dei miei dati personali ai sensi del Dlgs 196 del 30 giugno 2003

Bari, 11 gennaio 2021