

## PERSONAL INFORMATION

### Alessandro Inzerilli



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Male | Date of birth 28/04/1972 | Nationality Italian

## WORK EXPERIENCE

October 2022 – Present

### Senior Network Architect

Employer/Sector Consortium GARR ([www.garr.it](http://www.garr.it)), Via dei Tizii n. 6 - 00185 Rome - Italian National Research and Education Network

Position Summary I am responsible for design of IP/MPLS network infrastructures, intra/inter domain routing, network services and for writing technical documentation including RFI, RFQ, tender specifications, LLD, HLD, DVT documents. I took part in several procurements within the evaluation committees

Responsibilities

My activities as a network architect include the design of:

- IP/MPLS core network and related routing and traffic engineering policies;
- LAN/WAN and network services' architectures for customers;
- packet network implementation and migration.

My duties also include:

- write and review technical documents such as HLD, LLD, DVT;
- assist in writing RFI, RFQ and network related procurements and evaluating bids for the provision of optical fibres, IP/MPLS and DWDM equipment and TLC operator services.

March 2007 – October 2022

### Network Operations Manager

Employer/Sector Consortium GARR ([www.garr.it](http://www.garr.it)), Via dei Tizii n. 6 - 00185 Rome - Italian National Research and Education Network

Position Summary Overall responsibility for network operational services including overseeing service performance, liaising with carriers and suppliers, dealing with escalations and network incidents, and oversight of the operations team.

Responsibilities

The main responsibilities assigned to the Network Operations Manager are:

- responsible for network operations of the whole network infrastructure (IP/MPLS and Optical Transport) and service delivery;
- oversee that all the escalations related to network faults or service performance are dealt with in a timely manner, ensuring a quick technical resolution;
- supervise the operation of systems required to maintain and support network operations;
- supervision of operational Optical and IP services and routing policies;
- plan, provision and implement network expansions, capacity upgrades and topology changes;

- deal with major suppliers, especially the main connectivity carriers and network equipment vendors;
- assist in writing network related procurements and evaluating bids;
- ensure that the services delivery meets customer specifications and guarantee necessary technical support;
- provide technical support to customers and special research projects;
- coordinate network activities within national and international projects;
- represent the company at meeting or events dealing with network operational matters;
- produce reports on network operations and production services to general managers.

The Network Operations manager furthermore coordinates Network operations teams including Operations group and NOC (Network Operations Centre), respectively responsible for high level management of the national Optical and IP network infrastructure and day-bay day management of the network.

August 2004 - February 2007

### **Network Engineer**

Employer/Sector Consortium GARR ([www.garr.it](http://www.garr.it)), Via dei Tizii n. 6 - 00185 Rome / Italian National Research and Education Network

Position Summary Responsible for the timely and efficient configuration, maintenance and defect fix of network equipment, circuits and other services, calling upon and co-ordinating the actions of support organization. Responsible for informing partners and peers about all planned work and faults affecting provided services.

Responsibilities Member of NOC team, whose main duties are:

- continuously monitor network status and performance;
- troubleshoot and solve according to contractual SLA issues related with network infrastructure, hardware, applications and services;
- interact with connectivity carriers NMCs (Network Management centres);
- deal with vendors TACs (Technical Assistance Centre) within problems solution and escalations;
- configure network routers, switches, transmission equipment, servers and support devices and implement services and routing policies;
- test and activate new network services;
- execute planned maintenances, network migrations, coordinate on field technicians intervention when required;
- support customers in configuring network equipment;
- produce, update and complete documentation and routine reports in accordance with laid down procedures;
- apply countermeasures/filters on network equipment in case of security incidents.

November 2001 - November 2003

### **Unix System Administrator**

Employer/Business Celestica Italia LTD ([www.celestica.com](http://www.celestica.com)), Via Ardeatina 2491 S. Palomba, 00040 Rome / Electronic Manufacturing Services (EMS)

Responsibilities

- UNIX/RISC 6000 system administration;
- Management and development of a test platform for IBM e-server.

August 2000 - July 2001

### **Research Assistant**

Employer/Sector VTT Technical Research Centre of Finland (<http://www.vtt.fi>), P.O. Box 1100 90571 Oulu, Finland / ICT Research

- Responsibilities
- Research activity for the WIL (Wireless Internet Laboratory)
  - Participation in the EU research project WINE (Wireless Internet Networks). Project goal was to design and implementation an IP-based wireless access architecture, optimized to offer multimedia services and capable of working on a variety of platforms such as IEEE 802.11, HIPERLAN-2, Bluetooth.

## EDUCATION AND TRAINING

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Telecommunication specialization

Università degli Studi "La Sapienza", Rome

Final grade: 110/110

## PERSONAL SKILLS

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Mother tongue(s) Italian

Other language(s) English

Proficiency Full professional proficiency (CEFR level C1)

Certificates CPE (Certificate of Proficiency in English) - University of Cambridge - 1997

Spanish

Proficiency Professional working proficiency (CEFR level B2)

Certificates DELE Superior (Diploma de Español como Lengua Extrajera)

Spanish Education and Culture ministry - 2001.

French

Proficiency Intermediate (CEFR level B1)

Certificates DELF A1-A3 (Diplôme d'Etudes en Langue Française)

French education ministry - 2003

Job-related skills

- Network operations/Project manager with over 15 years' professional experience in the Internet Service Provider business area. Solid understanding of network technologies (including Optical and IP) and problem solving skills, acquired in designing, developing and operating a large scale NG multi service network
- Proven people management skills in a 24/7 delivering network operation environment;
- Organised and methodical with the ability to prioritise tasks and deal with multiple projects concurrently of varying size and complexity. Capable of co-ordinating the efforts of team members and third parties in order to deliver the project according to requirements and the plan. Able to identify risks and take appropriate and timely action to mitigate and ensure minimal potential for disruption to project schedules.
- Extensive understanding and working experience with network technologies and protocols:
  - LAN/WAN multi-layer and IP routing protocols (MP-BGP, OSPF, IS-IS);
  - MPLS switching and its signalling protocols LDP, RSVP, traffic engineering, segment routing;
  - IP/MPLS based business services L2VPN, VPLS, L3VPN, Internet access;
  - Ethernet protocols (VLAN tagging, Link Aggregation, E-OAM, STP/VTP), 40G/100G Ethernet standards;
  - Fiber optics transmission parameters and related standards (es. ITU-T G.652/G.655), methodologies and tools for measuring transmission parameters and impairments;
  - xWDM technologies, optical switching, OTN standard, WDM coherent technologies for over 100G transmission, systems management and control plan of transmission equipment (GMPLS/WSON);

- Network devices (routers, switches, terminal servers, optical equipment, etc.) and structured cabling;
  - Network management and reporting tools (MRTG, Cacti, Nagios, NetFlow, SNMP and Telemetry tools, etc.);
  - Cisco and Juniper routing platform in-depth knowledge and hands-on experience;
  - Working experience and competence with Optical transmission platforms (Huawei, Infinera);
  - Solid expertise in troubleshooting network faults e TCP/IP performance issues and using measurement/troubleshooting tools;
- Digital skills
- Experience in Unix system administration, Linux in particular;
  - Proficient usage of MS operating systems office suite and project management software (MS Project, JIRA).
- Other skills
- Good communication, presentation and reporting skills either in Italian or in English, verbally or in writing. Ability to effectively work within a team.