

PERSONAL INFORMATION

Alberto di Taranto



 Trento (Italy)



Sesso M | Nazionalità Italiana

POSIZIONE

Solution Architect, Team Leader, Business Intelligence

ESPERIENZE DI LAVORO

2021 ad oggi

Business intelligence Engineer

Joint Research Center in Petten (NL) – Commissione Europea

Business intelligence Engineer nel settore Energia.

Progettazione di uno strumento di analisi di scenario per controllare importare e armonizzare gli studi contenenti i dati previsionali per il decennio 2020-2030 riguardo l'impatto della migrazione a combustibili non fossili.

- Analisi, architettura e sviluppo dell'Energy Scenarios and Indicators Database
- Continuous coaching

Sviluppo basato su sprint settimanali

Tecnologie: **Python3 with Pandas, Knime, git**

Settore Ricerca nel settore Energia

2020 **Solution Architect**

Joint Research Center in Ispra (I) – Commissione Europea e Telespazio

Solution Architect.

Architetto del progetto Transfer Agent for the Ionosphere Prediction Service, un'applicazione web per monitorare e predire il comportamento della ionosfera e i suoi effettipotenziiali sulle performance delle applicazioni basate sui dati satellitari riguardanti la posizione. Global navigation satellite system (GNSS).

- Analisi, Architettura e sviluppo del Transfer Agent

Sviluppo basato su sprint settimanali

Tecnologie: **Java 11, Quarkus, Postgres, Python, ftp e ssh protocols, git**

Business or sector Research

2019-2020 **Business intelligence Engineer**

Joint Research Center in Ispra (I) – European Commission

Business intelligence Engineer.

Tool to ingest the information coming from the European Member States to JRC in Ispra regarding the yearly data about European fishery.

- Analysis, Architecture and development of the Tool
- Continuous coaching

Development was based on weekly sprints

Technologies: **Docker, Java 11, Wildfly, Quarkus, Vue js, Postgres, Pentaho ETL, git**

Business or sector Research

2019 **Team Leader**

Joint Research Center in Ispra (I) – European Commission and Bozar in Bruxelles

The Resonances Festival brings together scientists, artists and policy makers to discuss matters of concern from various points of view, not only to the JRC and the European Commission but also more widely to society. It is the flagship programme of the Joint Research Centre's SciArt project, held every two years at the JRC in Ispra (Italy).

Analysis and team coordination for the development of the website for Resonances III 2019 Exhibition.

Technologies: **Drupal**

Business or sector Research

- 2018-2021 **Solution Architect, Team Leader**
Albanian Ministry Tourism and Environment, Tirana
Alfis is the project leading to a unified Albanian Forest Information System. It is founded by the World Bank.
Overall Architecture and development of 4 out of 12 modules of Alfis, the Albanian Forest Information System, namely Document Module, WorkFlow Module, Catalogue Module and User Management Module, besides the overall cloud based Architecture.
 - Coordination of the team and continuous coaching
 - Design, Analysis, Architecture, Documentation and acceptance testsTechnologies: **Java, OpenShift, Kubernetes, Docker, Wildfly, Keycloak SSO, jBPM and Drools, Quarkus and Kogito, SOLR**
- 2018 **Software Architect, Team Leader**
Business or sector International Projects, Public Sector
Joint Research Center in Ispra (I) – European Commission
Design and architecture of the Territorial Dashboard about social parameters in Europe.
 - Coordination of the team
 - Design and implementation of the ETL WorkflowsTechnologies: **Python, Java, Pentaho, MongoDB, VueJS, d3.js, dm.js, Kubernetes, Docker**
- 2018 **International Computer Programming and Systems Support Specialist**
Business or sector Research
Water Resources Ministry of Cambodia Greater Mekong Subregion - Phnom Penh
Flood and Drought Risk Management and Mitigation Project. CAM Support to National Flood Forecasting Center (NFFC) and to Improve Hydraulic Design Standards.
 - Coordination of the team
 - Design and ArchitectureTechnologies: **Technical details are under NDA**
- 2016-2018 **Software Architect, Team Leader**
Business or sector International Projects, Public Sector
Joint Research Center in Ispra (I) – European Commission
Design and coordination of the development within the IDPS project about the monitoring of water quality in Europe.
 - Coordination of the team and continuous coaching
 - Design and implementation and acceptance testsTechnologies: **Postgresql, Java, Centos 7, JQuery, SOLR, XSLT, Pentaho Kettle**
- 2017 **Team Leader**
Business or sector Research
Joint Research Center in Ispra (I) – European Commission and the Science Museum of Milan
The Resonances Festival brings together scientists, artists and policy makers to discuss matters of concern from various points of view, not only to the JRC and the European Commission but also more widely to society. It is the flagship programme of the Joint Research Centre's SciArt project, held every two years at the JRC in Ispra (Italy).
Analysis and team coordination for the development of the website for Resonances II 2017 Exhibition.
Technologies: **Java, Wildfly, Postgres**
- 2015-2017 **Software Architect, Team Leader**
Business or sector Research
Joint Research Center in Ispra (I) – European Commission
Business architecture design and analysis within the Open Data Project, the implementation of the Open Data infrastructure and data access information services in the Digital Earth and Reference Data Unit. The Open Data, Knowledge & Information Management (OpenData) is an institutional project within the Digital Earth and Reference Data Unit;
 - Coordination of the team and continuous coaching
 - Design and implementation of the ETL Workflows, the clients and the servers for the ETL aspectsTechnologies: **Postgresql, Java, Centos 7, Ckan, Python, XSLT, Pentaho Kettle, jBPM**
- 2013-2014 **Software Architect, Team Leader**
Business or sector Research

- Province of Bolzano (I)
Design and coordination of the rewrite of the Agricultural and Forest Information System for the Province of Bolzano.
Completion of the provincial Registry of Agriculture Companies (LAFIS-APIA).
Provincial Veterinary Data Bank of the sheep and goat sector (BDR LAFIS-VET).
Forest File, with management plans and forest cards (LAFIS-WALD).
Digitization of GIS system of fruit surfaces.
Technologies: **Oracle, JSF, JBoss 7.1**
- 2013 **Business or sector** Public Sector
Business Intelligence Expert, Team Leader
Cineca Bologna, Italy
Design and coordination of the web platform for the management of codes ISBN from the Central Agency in London. Workflow implementation for the collection by national agencies of the books codes. Development and coordination of the working team.
Technologies: **Pentaho BI, PDI-Kettle, MySQL, Tomcat 7, RHEL4, Drupal, SSO**
- 2013 **Business or sector** International Projects
Business Intelligence Expert
Cineca Bologna, Italy
Design and Implementation of an Enterprise Data Warehouse system for the Autonomous Province of Trento, Department of Knowledge, with particular focus on two main areas of analysis: Students and Education and Personnel Management.
Technologies: **Pentaho BI, Oracle, Jboss, RHEL4**
- 2011-2012 **Business or sector** Public Sector
Software Architect
Opera 21, Trento (I)
Technological and architectural chief for www.visittrentino.it tourism portal in Province of Trento. App version for Android. Operational coordination of the development team.
Technologies: **JBoss, Alfresco, Liferay, Oracle, Android**
- 2011-2012 **Business or sector** Tourism
Software Architect
Opera 21, Trento (I)
Technological and architectural chief for lanus project, in cooperation with the University of Trento and Bolzano: Business Analysis and Business Activity Monitoring for the efficiency of processes (industrial and in the Public Administration) through the analysis of the event log and the association to the respective workflow.
Technologies: **J2ee, Liferay, ESB, Tomcat, Spring, JPA, MySQL/Oracle, Pentaho BI**
- 2008-2010 **Business or sector** Research
Software Architect
DedaGroup Trento (I)
Technological and architectural chief for Briseide project founded by European Commission: development of a framework for the use of space-time data.
Technologies: **J2ee, Esri suite**
- 2008-2010 **Business or sector** Research
Software Architect
DedaGroup Trento (I)
Technological and architectural chief for ARIR MATTM project co-founded by Ministry of Environment and the Lombardy Region, for the development of a framework handling document and data exchange with the Ministry about major accident risk companies.
Technologies: **MDA, Oracle, J2EE, Jboss, Hibernate, Javamail, WebServices, RichFaces, ESRI**
- 2007 **Business or sector** Public Sector
Software Architect
Telecom Italia

Architectural analysis for eHealth project. The project will computerize the medical records of each patient to allow the consultation of reports to all federal hospitals nationwide through the creation of an Electronic Health Record.

Technologies: **Jboss, Oracle, JSF, ServiceMix, Mule, Liferay, Alfresco, JBPM. Ilog Rules, Pentaho BI, SSO con Shibboleth**

Business or sector Public Sector

2002-2012 **Senior Programmer**

Imaging Progetti, ENI, Generali Assicurazioni, Italtel

Analysis and development in the Java ecosystem
Technologies: **Jboss, Oracle, IceFaces, Liferay, Filenet**

Business or sector Public Sector

1989-2002 **Junior Programmer**

Different Companies

Analysis and Development in Java, PHP, Delphi
Technologies: **Java, PHP, Delphi, Mysql**

Business or sector Small and Medium Enterprises

EDUCATION AND TRAINING

- 2005 **Registration to the Register of Engineers**
- 2002 **State exam for the engineering profession**
- 2005 **Master's Degree in Electronic Engineering Computer Science in Bologna**

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
[Common European Framework of Reference for Languages](#)

Communication skills

- good communication skills gained through my experience as a Team Leader and
- good communication skills gained through my experience in several speeches held in different Universities in Europe

Organisational / managerial skills

- leadership (in several project I was the team leader of several (up to 15) people.

Job-related skills

- deep analytical attitude
- Good attitude in understanding pros and cons in different scenarios and good attitude in putting things together

Digital skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Independent user	Proficient user	Proficient user

Programming languages: Java, Python
Cloud architectures: Docker, Podman, Kubernetes, OpenShift, OKD, OpenWhisk
Application Servers: JBoss, Wildfly, Quarkus, Apache, Tomcat
DB Server: Oracle, Postgres, MariaDB, Mysql, MongoDB
CMS: Drupal
Other servers: SOLR, ElasticSearch, KeyCloak
ETL: Pentaho, Knime
OS: Linux (Fedora and Debian)

Other skills • Photography

Driving licence A-B

Presentations Several Conferences held as a speaker in Poland, Slovakia, Germany, Croatia, Russia and Italy.