

CURRICULUM VITAE

PERSONAL INFORMATION

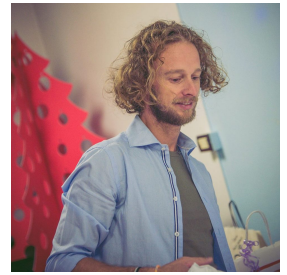
First Name, Surname **ANDREA MUSUMECI**
Address 28100, Novara, Italy
E-mail Andrea.Musumeci.76@gmail.com

State Italy

Date of Birth 05/13/76

Mobile +393470755781

Actual Job Position **Technical Manager**
Project Manager
Devops Expert
Tech and Business Teacher



EDUCATION

- 2003 Università Statale di Milano – Computer Science degree - thesis "Il nuovo sistema di votazioni della Camera dei deputati italiana"/"The new voting system of the Italian Chamber of Deputies" for which I realized in 1999 a multithreaded server to allow voting in Mappamondo room (anti-mafia commission)
 - 1998 second diploma in Computer expert
 - 1995 first diploma in Company Expert and Correspondent in foreign languages
- Languages: english and french

MANAGEMENT SKILLS

I am able to manage a team in order to face up to different tasks by Agile and Lean methodologies. I organize business meetings based on Open Space Technology.

IT SKILLS

- Java for cloud architectures.
- management tools: Jira, Gitlab Board
- database: Oracle; MongoDB; MySql;
- dev: IntelliJ Idea; NetBeans
- analysis: UMBrello; Xmind

WORK EXPERIENCE

Today 2022 – I am searching for a new work position.

2021 in Gruppo Extra - Extra Red, Red Hat Advanced Business Partner - IT Researcher in Circular Economy, Technical Leader of Integration Task for the same European project **Digiprime** in which the past year asked me to be Data Model Architect.

Industrial leadership - Leadership in enabling and industrial technologies - Information and Communication Technologies (ICT) H2020 - 2021 **Technical leader of Integration** Work Package for Digiprime: totale founded 19M to 36 partners - coordinator Politecnico di Milano (prof. Marcello Colledani)

Platform lifecycle is managed by DAD - Disciplined Agile Delivery; platform has been defined in many integration iterations till reaching MVP Final release; it will be adopted by future Company Pilots and extended by Open call process for 15 new service leaders in circular economy. The Objective is to power boost reuse of data, process and materials in a federated and cross sectorial platform. (automotive, renewable energy, electronics, textile, construction are the starting sectors)

I am technical speaker in the bi-weekly General Assembly for the Consortium and for all Work Package Integration Calls; I lead pair technical calls by Extreme Programming in order to find with partners the right way to integrate their services. I am Author of first version of Deliverable 5.1, Integration and test activities by which there are described all integration tasks, starting by guidelines definitions to do a correct cloud deploy for 30 partners services of “Value Chain services and Operational services” set.

URL: <https://cordis.europa.eu/project/id/873111/it>

TAG: Circular economy, DAD, Integrator

Publishing

- DET 2021 Author - Digital Enterprise Technology 11-13 October 2021, Budapest, Hungary (online) - paper “A digital platform for cross-sector collaborative value networks in the circular economy” under a Creative Commons license <https://www.sciencedirect.com/science/article/pii/S235197892100144X>

05.2018 - 12.2020 for Holonix Srl Spin-off del Politecnico di Milano - Circular economy IT Researcher, Consortium Technical Manager, IT Architect and senior developer

- Digital Automation FOF - 2018-2020 **IT Architect and Senior developer** in **Nimble** European Project - total founded 8M euro with 16 research partners and sme - coordinator Salzburg research forschungsgesellschaft M.B.H.

NIMBLE developed the infrastructure for a cloud-based, Industrie 4.0, IoT enabled B2B platform on which European manufacturing firms can register, publish machine-readable catalogs for product and services, search for suitable supply chain partners, negotiate contacts and supply logistics.

I am a senior analyst and senior developer for the polymorphic data exchange solution. Datasets can be simply IoT events but also complex data structures with product composition definition of bills of materials too.

Starting with four industrial sectors of adoption (white goods, wooden houses, fashion fabrics, and child care furniture) it is expandable in order to connect new sectors in an easy way.

Datachannel is open source middleware Kafka based with ETL (extract, transform, load) by Ksql and runs into Bluemix IBM Cloud Kubernetes containers.

I am the solo analyst of Product Avatar which enables filters over exchanged data on mobile devices.

TAG: linux, docker, docker-compose, kubernetes, maven, java, spring cloud, mysql, kafka, kafka ksql, bluemix, blockchain, jira, github, LCA, product traceability

URL: <https://www.nimble-project.org/> <https://cordis.europa.eu/project/id/723810/it>
https://github.com/nimble-platform/dcf_service

- New sustainable business models H2020 - 2019-2020 Middleware **Data Service Architect** in european research project **Manu-square** - founded 4M with 12 partners - coordinator Scuola Universitaria professionale della Svizzera italiana (SUPSI)
Platform acts like a virtual marketplace of unused production capacity in order to exchange and create a distributed value chain for companies.

I define a polymorphic service which is based on object oriented db (mongodb), semantic and ontology service and a Hyperledger blockchain.
I analyze new functionalities for co-creation tools and I lead extensions also with outsourcing developers.

URL: <https://www.manusquare.eu/> <https://cordis.europa.eu/project/id/761145>

TAG: mongodb, ontologia, blockchain, spring cloud, mysql, waste production capacity, circular economy, open innovation

- Enabling the transition towards a green economy and society through eco-innovation H2020 2019 - 2019 2020 Platform IT Architect for the framework Fibereuse which enables by matchmaking and reputation to share and collaborate in fiber reuse. Total found 12M euro and 21 partners - coordinator Politecnico di Milano (prof. Marcello Colledani).

Platform enables circular entity definition with materials, processes and services in the polymers and composites sector (Glass and carbon fiber reinforced polymer composites - GFRP and CFRP). In the analysis I adopted recursion in order to give a strong definition of Circular Entity and Business Value Chain.

Papers

- Proceedings "FiberEUse: Large scale demonstration of new circular economy value-chains based on the reuse of end-of-life fiber reinforced composites - a circular IT platform to manage innovative design and Circular Entities" Arabsolgar-Musumeci, Creative Commons Attribution (CC BY) license, presented at Sustainable Places 2020 (SP 2020), Digital Event, 27-30 October 2020 - <https://www.mdpi.com/2504-3900/65/1/23>
- chapter "Cloud-based platform for the circular value-chain" Arabsolgar-Musumeci, of 2021 book "Circular Economy Solutions for Fiber Reinforced Composites" Springer Tracts in Mechanical Engineering Creative Commons Attribution (CC BY) license

URL: <http://fibereuse.eu> <https://cordis.europa.eu/project/id/730323>

TAG: mongodb, auto shape GUI, circular economy, co-creation

- Industrial leadership - Leadership in enabling and industrial technologies - Information and Communication Technologies (ICT) H2020; 2020 - **Consortium Technical manager and Data Architect** of Digiprime Platform; found 19M euro and 35 partners - coordinator Politecnico di Milano (prof. Marcello Colledani)

The circular economy platform enables data sharing in a federated cross sectorial market (automotive, renewable energy, electronics, textile, construction are the starting sectors)

I work in all technical meetings starting from requirements to platform analysis; my role is to define data platform exchange services. I am author of deliverable 2.2 by which it describes the polymorphic data model based on results of the past Fibereuse project.

URL: <https://cordis.europa.eu/project/id/873111/it>

TAG: Circular economy, Circular Entity, Value chain enabler, open-innovation

2018 for Moonlab Srl – Cloud Management - Linux CentOS with db Mysql and java technologies; I plan advertising campaigns - Dem.

2017 – Freelance

I analyze and develop with a team new services for ecommerce written java over **Jboss** in cloud based on **Linux Red Hat** for Bottegaverde.it with db **Oracle**

Analyze and develop java middleware services for Mondora Srl and Tecnosystem Spa over cloud Microsoft Azure; api interface with **Apache thrift**, framework **spring boot**, db **Sql Server**, source in **git over bitbucket**, slack chat.

Project Manager for a team of 10 people in a fashion luxury ecommerce site. Project released and consulting ended at start of 2018.

2016 – **Java** and **node js** developer in **Agile team** of Zanichelli Spa over **Amazon AWS Cloud**; slack, **jira**, daily scrum in hangout, **bitbucket** as cvs in git, docker for deploys, vagrant for some services linux based.

2015 – I am Ceo for Moonlab Srl

2014 – Marketing Online Consulting for Magic Srl and ecommerce Mamy.eu

Developer for an Ads Panel for bottegaverde.it
Quality manager for annunciveloci.it
project manager (buy and real estate for Immobiliare Brb Srl)

2013 – Hard coding from Weblogic to Jboss 4.x and Jboss 6 with Ejb 2.x e Jsp 2.x, multi country and multi languages for ecommerce bottegaverde.it

2012 – Commercial and tech office account for Moonlab S.r.l.; startupper for coJob Novara (coworking spaces, 2 years, now closed)

Startupper and Manager in ProfessioneCandidato.it (now closed)

I developed for www.glossipmakeup.com the ecommerce server in java, jboss, oracle

2006-2012 Startupper and Ceo for MoonLab S.r.l. software house e media agency in Novara. (annual revenue 700k euro; team with 5 commercials and 6 developers, many consultants)

2005 - 2012 Startupper and Ceo for Moonit S.r.l. Buy and sell IT products agency in Novara (annual revenue 16M euro - team with 5 commercials, 2 drivers, 1 accounting)

2003 - 2012 co-founder of jobcrawler.it with a community over 1M of job searcher

2007 - 2012 majority shareholder, Ceo since end 2011, of Immobiliare Brb Srl; 1000mq of office and house buildings in Novara

2007 - 2011 founder of online IT shop www.birbante.it (average revenue 150mila euro, now closed)

until the 2005 i was freelance (most important experience)

2004-2005 Bottegaverde.it: I develop a web based CRM for 250 shops; a system based on Jboss and Tomcat, Oracle 10i. Monitoring by email using xml-soap events or Linux Red Hat crontab tasks. This software is still working today.

2002-2004 ProgettoInside and Aon.it: I created a J2EE system in order to manage insurance policies; JBoss, Apache, Tomcat e MySql for one hundred car shops. I empower the Security for Socrate project. I create reports by email.

2003 theitalianwinecompany.com: Multicontry CRM; project leader of the 5 head developing team.

2003 Alessi SPA: offline adv collection software.

2000-2003 BottegaVerde.it: coding and online placing for first italian ecommerce site by using J2EE over Weblogic and Oracle

2002 bank Intesa BCI: tech analyst for 20 developers team: jsp and Oracle

2001 Spain and France Motorway: for Proxima Srl in Moncalieri (TO) I realize the backend system in jsp and Oracle for one thousand of job working for highway tool booth.

2001 Professionebellezza.com: i realize ecommerce engine

1999 italian Camera dei deputati: I am in the developers team for the new voting system; I realize the application server to manage java services by using a smart **card of Gemplus**.

1998-1999 junior software developer for ISA service Srl in Baveno

1999 Dun&BradStreet: website for customers which can enquiry the big commercial database. Ibm Notes technology and Java over AIX server. I write crud services for Sybase db with AWT e JDBC.
I am in the Millenium Bug team to discover potential issues.

1998-1999 Teorema Bologna/CGIL: i code a Rmi application server for Nuovo Progetto Vertenze writing the framework driver by using standard jdbc 2.0 used in all offices of italian CGIL (now closed, i suppose)

TEACHER OR SPEAKER

2013
. 8 days of lessons about Mysql 5.6 for Administration DB and for Developer for Telecom Italia in Torino in only 40 days from release.

. “Searching Job online” - speech in Università di Economia e Commercio A.Avogadro in Novara

2006 - 2012 many lessons in order to create IT staff or commercial staff of my agency

. november - december 2012: 3 speech “the life of the worker”/“il ciclo di vita del lavoratore” all'Università di Economia e Commercio A.Avogadro di Novara

2006

· Speech about *online job search* in Università di Modena e Fondazione Marco Biagi

· Javaday: speaker in Verona focusing over opensource technologies in order to help to find job or create job by using JobCrawler.it

· course of Object Oriented in New Cosma SpA

2005

· course in java for New Cosma SpA

[teacher for Oracle University]

· Oracle9iAS XML Fundamentals for Developers

· Oracle10AS: “from uml analysis to J2EE app”/“dall'analisi Uml alle applicazioni J2EE – percorso completo”

[for Mondora S.p.A and TiLab Telecom Lab]

· Develop Web Services – Jboss 4

2004

[teacher for Oracle University]

· Oracle9iAS Develop Web Services

· Oracle9i JDeveloper: building app with BC4J

· Oracle9iAS Access the Database with Java and JDBC

· Oracle9iAS Portal Release 2: Build Corporate Portals

· Oracle9iAS XML Fundamentals for Developers

· Oracle9iAS Deploy J2EE Applications

· Oracle9iAS Java Programming

· 2004, december – second place in Club Dirigenti Informatici prix with thesi “Create a successful portal by using java mysql linux”/”Creare un portale di successo con java Mysql linux” in Genova in italian date of itSMF (information technology Service Management Forum)

· 2004, november UML courses for bottegaverde.it

· 2004, september at Linux World Expo in Milano – i am speaker with 'Create a successful search engine with java Mysql and Linux'

· 2004, may in Webbit - speech – Printing in Java: easy and free

2003

[teacher in Oracle University]

· Oracle9i JDeveloper: app developing using BC4J (Business component for java)

· Oracle9iAS Access the Database with Java and JDBC

· Oracle9iAS Portal Release 2: Build Corporate Portals

- Oracle9iAS XML Fundamentals for Developers
- Oracle9iAS Java Programming
- introducing Java for teacher of Università di Padova - 10 days
- introducing Java for programmers of Startpoints Srl in Vigevano (PV) – 5 days

2002

- introducing Java and jdbc, some lessons about swing GUI for Bottegaverde.it – 15 days

2001

- Distribuite computing and jdbc for systech.com – 5 days

1999

- introducing Java in Pettenasco for I.S.A. Formazione di Baveno – 10 days

1998

- IT course for ITS Periti Aziendali e Corrispondenti in Lingue Estere A. Bermani in Novara – 5 days

- Object Oriented course for teacher of ITIS G. Fauser Novara

OTHER

2003 - 2012 Novara JUG Founder (java users group, now not yet operative)

2000 - 2012 founder of Javalab.it – virtual lab with many openSource projects (for amateur radio too!) and freeware, many java lessons and speech. (now not yet operative)

MY LIFE

I'm an economist and technologist who has a tendency to leadership and teamwork: I like macroeconomic readings as the essays of commercial strategy but I'm not a technology fetishist.

I love reading, especially biographies and novels. I always read Corriere.it and at least one week's publication of Il sole 24 ore (italian economic newspaper); GQ with pleasure.

I love cooking with hard technical skills (for example doing at home cheese and salami, molecular drink too).

Everything in favor of the green environment draws my attention from ecology to recycling; a sustainable lifestyle is for me a pleasing discussion topic.

I like real estate and eccentric furnishings; I am an expert in real estate auctions.

I like USA sports; I played baseball in the past.

I like historical cars to drive and not to contemplate.

I believe in the best Friendship.

I love my family and I protect my privacy.

I authorize the processing of personal data pursuant to Italian Law 196/03.