

Giacomo Veneri

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SUMMARY

Experienced leader with a strong background in digital services, AI, and IoT. Proven track record in developing and implementing innovative solutions, leading global teams, and supporting sales and commercial functions. Skilled in project management, financial analysis, strategy, and navigating complex multinational environments.

EXPERIENCE

*Baker Hughes, **Digital Services Engineering Manager***

Jan 2025 - Present

Delivering digital services, including infrastructure (IoT), applications, analytics (AI/ML), and ensuring 24/7 customer support. Supporting AI and IoT strategy and develop new digital solutions, while also supporting sales and commercial functions to gain and retain customers.

Promoting technical excellence including Industry 4.0, IOT, AI and ML applications.

Leading a group of 96 resources globally (EU, USA, APAC)

*Baker Hughes, **Director Artificial Intelligence Specialists***

Feb 2022 - Jan 2025

Developing Machine Learning, Deep Learning, Active Learning products in the field of Energy Transition, Industry 4.0 and Process Automation. Building Business AI Strategy and Competencies. Leading a group of 20 resources globally (EU, APAC)

*Baker Hughes, **Artificial Intelligence Specialist***

Dec 2018 - Feb 2022

Developing ML, DL and AI solutions: TensorFlow, Keras, Scikit-Learn, Cuda, Nvidia GPU, GCP TPU, AWS SageMaker, Python, DJANGO, Pytorch -

Big Data processing: Hadoop, Parquet, Spark, AWS MR

Computing: Tensorflow, protobuf, Dask, XGB, Nvidia DGX-1/Titan, Dask

Developing IoT analytics: Predictive Maintenance, Anomaly Detection, Production forecasting and optimisation

Build Cloud Infrastructure: Cloud Foundry, AWS, Docker, Fargate, EC2, redis, DynamoDB, C3.ai - Applications Development: Spark,

(T) Microservices, Cassandra, Neo4J, Java, Spring, NodeJs, Angular, Cassandra, Kafka, RabbitMQ, Neo4J, gRPC, C/C++, Javascript - Digital

Transformation and Innovation Leader: Data Lake, S3, HDFS

*General Electric, **IoT and AI Product Technical Manager***

May 2017 - Dec 2018

Developing digital products in the field of IIoT - Developing IoT analytics: Predictive Maintenance, Anomaly Detection, Production forecasting and optimization - Product Validation of strategies - Demo and Prototype development for customer

(T) Spark, Microservices, Cassandra, Java, Spring, NodeJs, Polymer, Angularjs, Angular, Hive, Hadoop, Python, Cassandra, Kafka, RabbitMQ,

HBase, Cloud computing, Cloud foundry, AWS, Docker, Kubernetes, Asset Performance Management, IOT, Predix, Industry 4.0

*General Electric, **AI and IoT Technical Leader***

Dec 2014 - May 2017

Developing Data Processing System - Developing analytics application, AI and condition based maintenance - Turbomachinery data acquisition - Cybersecurity management - Industrial Internet of Things (IIoT)

(T) Hadoop, Cassandra, Spark, RabbitMQ, Redis, Java, JEE, Oracle, Proficy Historian, Neo4J, GE Predix, Angular, AngularJS, Spring Boot, OPC,

Cloud, OPC-UA, Python, Anaconda, Polymer, Oauth, NOSQL, AWS

*Engineering Ingegneria Informatica SPA, **Team Leader***

Oct 2012 - Dec 2014

Developing GPS/DSRC Based Toll System - Big Data Processing and IoT - SOA and ERP Integration

Developing Remote Diagnostic System

Software Quality, Software Management and Delivery

*Etruria Innovazione SCPA, **Director of Information Technology***

Jan 2007 - Oct 2012

IT Group Leader: - Defining products - AI/NLP Tech Leader - Architecting and defining technology - NET and Java architect promoting certification and quality system - sector: PA, Public Health, Life Science, BioInformatic, Machine Learning, Business Intelligence

(T) Java, JEE, javascript, jQuery, C#, C++, .NET, ASP.NET, SQL Server, Biztalk, IIS, Oracle, DB2, PostgreSQL, MySQL, PHP, DROOLS, JSF,

RichFaces, Spring, Spring MVC, JBOSS, Glassfish, Tomcat, Portlet, WebSphere

*ION Trading srl, **Software Engineer***

Jan 2006 - Dec 2006

MarketView Developer - Developing multithread and real time transaction processing - Developing Platform Console - Developing Platform Security System - Developing new products (T) c++, Java, C#, WPF,.NET

*Etruria Innovazione SCPA, **Chief Technology Officer***

Jan 2004 - Jan 2006

IT Group Leader: - defining products - NLP/AI Technical Leader - NET and Java architect

(T) Java, JEE, javascript, jQuery, C#, C++, .NET, ASP.NET, SQL Server, Biztalk, IIS, Oracle, DB2, PostgreSQL, MySQL, PHP, SVM, JSF, RichFaces,

Spring, Spring MVC, JBOSS, Glassfish, Tomcat, Portlet, WebSphere

*Metaresearch srl, **President & Cofounder***

Jan 2001 - Dec 2004

Owner and cofounder of Metaresearch srl (BI and NLP start-up).

President - General Manager and CTO

Product Development and Architect: - Developing WorkFlow system - Developing CMS and NLP system - Developing BI and ML system -

Developing Big Text Data Processing system - Developing Multimedia System

(T) Java, J2EE, Oracle, DB2, ASP 3.0, C/C++, ASP.NET, C#

*Università degli Studi di Siena, **AI and Computer Vision Developer***

Oct 1999 - Jan 2004

Multimedia & DTT Developer - Developing WebTv system - Developing Real Time Big Image Processing system - Developing Biomedical system (T) C/C++, C#, .NET, Java, MySQL, DB2

EDUCATION

Università di Siena

*Doctor of Philosophy (PhD) • **Neuroscience and Artificial Intelligence** • Jan 2008 - Jan 2012*

Università di Siena

*Master's Degree • **Telecommunications Engineering** • Jan 1992 - Jan 1999*

SKILLS and RESEARCH

50+ Papers, 3 books, H-INDEX:10, 7 patents, 5 AWARDS, 5 Certifications