



Claudio Martines



europass

Date of birth:

Nationality:

21

● PRESENTATION

Abstract

Graduated in Information Engineering with honors in 2010.

Strong experience in the creation of new services / products with a high technological content, in particular with regard to:

- *technical* aspects such as agile team management, R&D, prototyping, design and development of minimum viable products, technology choices, etc.
- *business* aspects such as the use of design thinking, the definition of business models learned in top startup incubators and implemented for startup companies and within multinational companies such as RINA for the launch of services and products on the world market

Experience as a R&D team leader and senior data scientist in the field of artificial intelligence focused on analyzing real-time sensor data for mission-critical applications using a mix of cloud computing and edge processing (even on microcontroller).

Today at RINA he deals with the **digital development of certification services**, reporting directly to the executive vice president of the certification BU.

● WORK EXPERIENCE

31/12/2020 - CURRENT - Genova, Italy

CERTIFICATION DIGITAL DEVELOPMENT - DATA & TECHNOLOGY IMPROVEMENT - RINA SERVICES SPA

- promote the technology changes to create the new business models and support the business process improvements;
- turn data into actionable insights by leveraging emerging technologies (AI/ML);
- support the digitization process.

31/12/2020 - CURRENT - Genova, Italy

IT & CYBER SECURITY DEVELOPMENT - RINA SERVICES SPA

Strategic development of new IT & Cyber security certification services.

20/02/2021 - 30/03/2021 - Genova, Italy

TEACHING ACTIVITY WITHIN THE MASTER'S DEGREE COURSE APPLIED AND EXPERIMENTAL BIOLOGY (CLASS LM-6) - A.Y. 2021/2022 - UNIVERSITÀ DEGLI STUDI DI GENOVA

New IT technologies for the food chain market:

- Distributed ledger - Blockchain
- IoT - internet of things / field sensors / satellite images

12/09/2019

REFERENT FOR THE ACTIVITIES CARRIED OUT FOR AGID – RINA SERVICES SPA

Referent for supervisory activities carried out in support of the Agency for Digital Italy (the technical agency of the Presidency of the Council of Ministers) related to: SPID, PEC, Long-term document preservation and qualified trust service provider.

30/06/2019 – 30/12/2020

LEAD AUDITOR – RINA SERVICE SPA

Lead Auditor: ISO 27001, ISO 27017, ISO 27018, ISO27701, ISO 22301, ISO 20000, Long-term document preservation, eIDAS (Qualified electronic signature, Qualified digital certificate for electronic signature, Qualified website authentication certificate, Qualified electronic time stamp), Industry 4.0, ISO 10004, ISO 3951, ISO 13549, Privacy - REG 679/2016, Legislative Decree 10 August 2018, n. 101, ISO9001.

Development of methodologies for the analysis and assessment of risks for second-party audit activities also in compliance of ISO 31000:2018 Risk management - Guidelines.

Genova, Italy

31/08/2015 – 29/06/2019

CEO – HOLSYS SRL

Main activities:

- Design and development of artificial intelligence solutions (for example, by collaborating with the research center of ST microelectronics to bring intelligence to microcontrollers: a video is available at <https://www.youtube.com/watch?v=Z1fA7K21CSA>)
- Design and development of IoT applications and industry 4.0 (e.g. real-time sensor data analysis of the health status of the plants of the eON and Marcegaglia groups; in collaboration with Eurotech, application development for real-time signal processing in OSGi environment for IoT gateway)
- Cryptographic systems for IoT security applications
- Design and development of AI system for breath analysis for colon cancer pre-screening within the "inside the breath" research project
- Development of full-stack java software application (also using framework such as Spring Boot)
- Privacy and information security management system according to GDPR UE 2016/679 relating to IoT, Industry 4.0 and Cyber security applications

Taranto, Italy

31/12/2011 – 29/06/2019

CONTRACT AUDITOR FOR RINA SERVICE SPA

Lead auditor in:

- ISO27001 and guidelines including 27017 and 27018
- Long-term document preservation according to AgID prescriptions
- Privacy - REG 679/2016:
- ISO9001

Assessment, gap-analysis and remediation activities for schemes / standards:

- Long-term document preservation according to AgID prescriptions
- UNI EN 13549 - Basic requirements and recommendations for quality measurement systems
- Privacy - REG 679/2016, Legislative Decree 10 August 2018, n. 101

31/05/2018 – 29/06/2019

CONTRACT TEACHER – RINA ACCADEMY S.R.L.

- Teacher for AICQ SICEV Auditor / Lead Auditor qualified courses:
 - Management Systems for Information Security ISO 27001: 2013

- Audit methodologies (in compliance with UNI EN ISO 19011: 2018 and UNI CEI EN ISO / IEC 17021-1: 2015)

■ Teacher for privacy courses / REG 679/2018 of: DPO, Privacy specialist and Privacy manager.

Genova, Italy

10/2018

DESIGNER AND DEVELOPER – TECNOLOGIA & AMBIENTE SRL

Design and development for:

- automatic archiving, consultation and reporting of data from the air quality monitoring system
- data processing with artificial intelligence techniques and machine learning.

Bari, Italy

12/2017 – 09/2018

TEACHER – LUM UNIVERSITY

Teacher in the course of data security and privacy

31/12/2011 – 31/08/2015

CTO – HOLSYS SOC. COOP

- Data scientist activity for the application of data analysis for industrial plants
- Research and development related to: holonic technologies
- Research and development in the field of number theory for modeling real-time data flows from sensors

Taranto, Italy

31/12/2010 – 30/12/2012

CTO – JOINET SRL

- Progettazione e sviluppo di sistemi di crittografia simmetrica e asimmetrica per: comunicazioni dati riservate (client / server Java per lo scambio di dati su reti non protette tramite un meccanismo a doppia chiave asimmetrica) e archiviazione nell'ambiente cloud computing;
- Progettazione e sviluppo sistema di gestione documentale dotato di firma digitale e archiviazione
- Attività di implementazione delle contromisure di sicurezza cyber security

Taranto, Italy

02/2011 – 09/2011

TEACHER – CNIPA INSTITUTE

P.O. Puglia 2007-2013 ESF Technologies for environmental control and video surveillance

Taranto

31/12/2009 – 30/12/2010

CONTRACTOR FOR SCIENTIFIC RESEARCH – POLITECNICO DI BARI

As part of the strategic research project ECOURB (P_047): "Design and development of data processing algorithms for environmental analysis using low-cost chemoelectric and catalytic sensors": design and implementation of an embedded system for the acquisition data using C language and real-time operating systems, management of communications with GPS, Wi-Fi and web interface.

Bari, Italy

05/2009 – 09/2009

TEACHER – ENAIP INSTITUTE

"Equipment and technologies for monitoring" in environmental monitoring stations

Taranto, Italy

31/12/2007 – 30/12/2008

DESIGNER AND DEVELOPER – M-COMMUNICATION SRL

Design and development of:

- Semantic search engine through sms and mms in the tourism / cultural field
- Web portal for the management of tour operators
- CRM web system for "Puglia Region Tourism Department"

Bari, Italy

30/06/2007 – 30/12/2007

CONTRACTOR FOR SCIENTIFIC RESEARCH – POLITECNICO DI BARI

As part of the New.Ton project:

- Design and development of hardware and software for an acquisition system equipped with environmental sensors;
- Design and development of hardware and software for a system with haptic interface using accelerometer sensors

Bari, Italy

● **EDUCATION AND TRAINING**

06/02/2022 – 07/02/2022

UPDATE COURSE FOR THE PRD EIDAS SCHEME FOR THE SERCQ SERVICE (REM) – Accredia, AgID

04/11/2020 – 04/11/2020

ISO/IEC 27701:2019 UPGRADE PER AUDITOR/LEAD AUDITOR – Rina Accademy SRL

27/10/2020 – 29/10/2020

ISO / IEC 20000: 2018 LEAD AUDITOR MANAGEMENT SYSTEMS FOR IT SERVICES – Rina Accademy SRL

14/06/2020 – 14/06/2020

ISO 22301:2019 – Rina Accademy

Auditor/Lead auditor Business continuity management system qualified AICQ-SICEV

23/03/2020 – 23/03/2020

ISO 15408 - COMMON CRITERIA APPROACH AND OVERVIEW – Rina Consulting SpA

Overview of Common Criteria for Information Technology Security Evaluation.

Example of a Common Criteria evaluation approach on a software product for which is required an Evaluation Assurance Level 3 (EAL3).

12/01/2020 – 14/01/2020

ISO 22301:2012

Auditor/Lead auditor Business continuity management system qualified AICQ-SICEV

08/09/2019 – 12/09/2019

UE REG 910/2014 - EIDAS – ACCREDIA, AgID e UNINFO

Training course for the qualification of Auditors destined to operate within the framework of EU Regulation 910/2014 on electronic identification and trust services for electronic transactions in the internal market

30/09/2018

ISO/IEC 27017 AND ISO/IEC 27018

Cloud Services Provider guidelines

19/04/2018 – 22/04/2018

AUDITOR PRIVACY - UNI 11697 – Rina Accademy Spa

05/03/2017 – 07/03/2017

LONG-TERM DOCUMENT PRESERVATION – Accredia

Long-term document preservation course in accordance with the provisions of the "Agenzie per l'Italia Digitale" (AgID)

03/02/2016

ISO 9001:2015

Quality management systems – auditor/lead auditor training course AICQ SICEV qualified

2013

ISO 27001:2013

Information Security Management Systems Auditor/Lead Auditor Training Course qualified AICQ-SICEV

2013 – Taranto, Italy

SWORN COURSE FOR ORGANIZATIONAL SECURITY MODELS – Uniquality

2011

OHSAS 18001:2007 AND ISO/IEC 17021:2011

Health & Safety Management Systems Auditor/Lead Auditor Training Course - certified by AICQ-SICEV

2010

ISO 9001:2008

Quality management systems – auditor/lead auditor training course KHC qualified
EQF level 4

2010

STATE EXAM FOR QUALIFICATION TO THE ENGINEERING PROFESSION

31/12/2003 – 31/05/2010 – Bari, Italy

MASTER OF SCIENCE IN INFORMATION ENGINEERING – Politecnico di Bari

Master's degree in information engineering with a mark of 110 cum laude.

EQF level 7

1997 – 2003 – Taranto, Italy

SCIENTIFIC HIGH SCHOOL DIPLOMA – I.T.A.S. Pr.essa. Maria Pia

EQF level 4

● **LANGUAGE SKILLS**

Mother tongue(s): **ITALIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C1	C1	C1	C1	C1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

● **DIGITAL SKILLS**

My Digital Skills

Development

Web Development HTML 5 CSS JavaScript | Hadoop | MATLABSimulink | Cloud Computing (IaaS SaaS PaaS) | PostgreSQL | Java | Development of special purpose programming languages | Embedded systems | C | Cryptographic Algorithms | Git | C++

Database

MongoDB | PostgreSQL | MySQL | Neo4j | Redis

Operating systems

Linux

Graphics

Adobe Photoshop | Adobe Illustrator

Office

Microsoft Word | Microsoft Excel | Microsoft Powerpoint

Artificial Intelligence & Machine Learning

Azure ML Studio | Apache Spark | Deeplearning4j | Weka | Holonic Paradigm | Signal Processing

● PUBLICATIONS

Publications

- Claudio Martines, Marco Calabrese, olOne: Artificial Intelligence on Chip - Embedded World Conference 2018, 27/02/2018 Nuremberg
- Vincenzo Di Lecce, Marco Calabrese, Claudio Martines, From Sensors to Applications: A Proposal to Fill the Gap, Sensors & Transducers Journal, Vol. 18, Special Issue, January 2013, pp. 5-13, ISSN 1726-5479.
- Guerriero, A., Guaragnella C., Martines, C., Castellaneta, A. - A Distributed Health Navigation System based on opportunistic mobile WSN - Information Technology and e-Services (ICITeS).
- Vincenzo Di Lecce, Marco Calabrese, Claudio Martines, Towards Intelligent Sensor Evolution: A Holonic-Based System Proposal, The Sixth International Conference on Sensor Technologies and Applications SENSORCOMM 2012, pp. 248-254, ISBN: 978-1- 61208-207-3.
- Vincenzo Di Lecce, Marco Calabrese, Claudio Martines, Holonic Granularity in Intelligent Data Analysis: a Case Study Implementation, IEEE International Conference on Computational Intelligence and Measurement Systems, 2-4 July 2012, Tianjin China.
- A. Guerriero, F. Ragni, C. Martines - "A dynamic URL assignment method for parallel web crawler", CIMSA 2010 - IEEE International Conference on Computational Intelligence for Measurement Systems and Applications, 2010 in Taranto, Italy.
- V. Di Lecce, A. Amato, R. Dario, C. Martines, Air Quality Control for Health Care Centres. The Application of an Intelligent Distributed System, IEEE International workshop EESMS2009, Milano 25/09/2009.

● DRIVING LICENCE

Driving Licence: B

● HONOURS AND AWARDS

Honours and awards

Scholarship winner - "Hacking Development, Visualization and Data Science" by Telecom Italia - WorkingCapital

● ORGANISATIONAL SKILLS

Organisational skills

- Strong Leadership attitude, experiences as team manager of various projects in the context of artificial intelligence both for private individuals and in the context of European research projects
- Processing of information
- Communication
- Problem solving

● COMMUNICATION AND INTERPERSONAL SKILLS

Communication and interpersonal skills

Experience gained as a speaker (Italian / English) at various events and fairs including SMAU 2017 - Milan and Catania 2017 innovation and high technology exchange.

● **JOB-RELATED SKILLS**

2009 – CURRENT

Artificial intelligence and Machine learning

Artificial intelligence solution designer and developer; development of innovative algorithms for real-time sensor data processing

2009 – CURRENT

Senior Java Developer

Development of full-stack applications with java

2009 – CURRENT

Senior Lead auditor

Over 10 years of experience as lead auditor (over 800 audit days carried out)

● **OTHER SKILLS**

Other skills

Jazz saxophonist.

Taranto, 29/07/2022

Claudio Martines