## **GIANCARLO FRISON**



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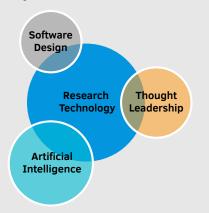


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Do research and create methods for solving technical and business problems. Solid track record in the design of software systems.

Act as an ambassador for products, internally and externally and I asses initiatives' value.

## Daily Activities —



#### Skills -

Thought Leadership

Programming • Scala • Java

Software Architecture

Deep Learning • AI

**Natural Language Processing** 

#### Education —

#### **B.Eng, Computer Engineering**

University of Padua 1995 - 1999 | Italy

## **Diploma in Industrial Engineering**

ITIS of Bassano del Grappa 1990 - 1995 | Italy

- SAP Architect Curriculum
- Professional Scrum Master
- ITIL® Certificate Service Management

# **Experience**

#### Now **Applicative Researcher**

SAP Customer Experience, Munich

2017 Question/Answering for complex product search in E-Commerce.

Prolog-inspired programming system for Logic as a Service prototype.

Research on Logic Programming for Automated Argumentation and eCommerce recommendation.

Built library for predicate inference from Knowledge Graphs (Answer Sets).

Prototype for Graph Neural Networks on Knowledge Graphs.

Technical and business related presentations at conferences and customers.

Released e-commerce prototype for Intelligent Digital Assistant.

Integrated Bayesian Inference for Guided Selling.

Developed library for Deep Reinforcement Learning.

Release prototype for conversational commerce.

New <u>search algorithms</u> and improved <u>contextualization</u> for digital assistants. Implemented intention classification for natural language processing.

### 2014 Software Specialist

SAP Hybris, Munich

Designed and developed inter-process communication framework with Reactive/Event-Driven programming as standard tool for Hybris developers.

Improved core platform's services and ORM internal framework.

Tuning and optimizing high throughput libraries for Hybris' commerce system.

#### 2013 Selected Attendee

TechPeaks, Trento

Selected for the <u>training program</u> of the startup accelerator on Lean Startup methodologies, business planning, corporate administration and taxation.

Released business plan for investors and obtained financial grants.

Searched for synergies with commerce partners.

Acquired license for food management.

#### 2011 **Development Architect**

Chelab Laboratories, Venice Area, Italy

Design domain specific language (DSL) for chemical workflow management. Prototype with HBase and Riak (NoSQL databases) for media content.

Coach on web development with Grails.

Setup configuration management and continuous integration systems.

#### 2010 Senior Software Developer

Skebby, Milan, Italy

Built and tutored the distributed micro-service system for B2C and B2B SMS delivery management.

#### 2008 Senior Software Developer

Quinary, Milan, Italy

<u>Re-written</u> the SMS B2B delivery system for Vodafone, based on micro-service architecture with FioranoMO.

2007 Senior Software Developer

Nimbuzz, Rotterdam, The Netherlands

Implemented XMPP server-to-server Java framework.

2021 Smoothing conversational contexts for digital agents

#### 2006 Software Consultant

Ats, Milan, Italy

Created the BrokerTec facility integration, enabling trades of REPO market government securities.

## 2006 Software Consultant

Abla, Milan, Italy

Developed the VXML interpreter and binded MRCP, including audio streaming with Real Time Protocol for voice automated assistants.

## 2002 Backend Developer

SecServizi, Padova

16/177,983 Granted

Implemented IBM's Rational Software Architect plugins for Low Code/No Code Model Driven Architecture.

## **Patents**

2022 Concept search in e-commerce via word embeddings.	16/201,737 Granted
2021 Symbolic machine learning over Knowledge Graphs	17/546,450 Pending
2021 Consumer recommender with Knowledge Graphs	17/546,426 Pending
2021 Extraction of collations for search	16/687,982 Granted
2021 Foraging Preferences for E-Commerce Recommendation	16/687,951 Granted