

## GIANCARLO FRISON



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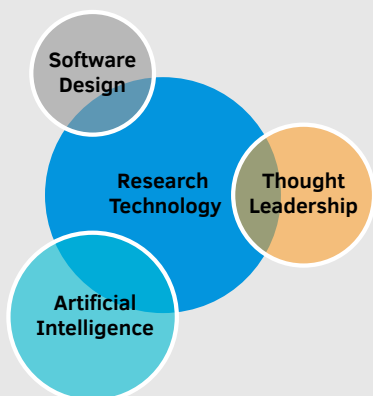


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Do research and create methods for solving technical and business problems. Solid track record in the design of software systems.

Act as an ambassador for products, internally and externally and I assess 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

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 search algorithms and improved contextualization 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 training program 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

Re-written the SMS B2B delivery system for Vodafone, based on micro-service architecture with FioranoMQ.

### 2007 **Senior Software Developer**

Nimbuzz, Rotterdam, The Netherlands

Implemented XMPP server-to-server Java framework.

### 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

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
2021	Smoothing conversational contexts for digital agents	16/177,983	Granted