GIANCARLO FRISON

🌐 gfrison.com
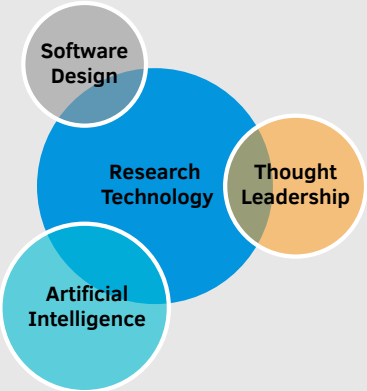
✉ giancarlo@gfrison.com

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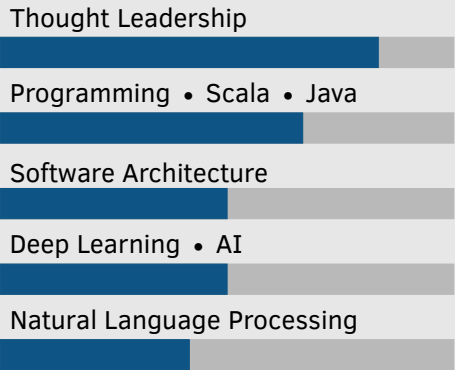Researching technical methods for solving business problems.
Solid track record in the design of software systems.
Act as an ambassador for products, internally and externally and I asses initiatives' value.

Daily Activities

Skills

Thought Leadership

Programming • Scala • Java

Software Architecture

Deep Learning • AI

Natural Language Processing

Education

M.Sc Cognitive Systems
Open University Cyprus
2023 - current student

B.Eng, Computer Engineering
University of Padua
1995 - 1999 | Italy

Diploma in Industrial Engineering
ITIS of Bassano del Grappa
1990 - 1995 | Italy

✹ Speaker at SEMANTiCS
✹ SAP Architect Curriculum
✹ Professional Scrum Master
✹ ITIL® Certificate Service Management

Experience

Now **Research Engineer** — 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 symbolic machine learning for Automated Argumentation in 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

2024	Hyper-graph store representation and query mechanism.	18/972,932 Pending
2023	Time-based query processing for system dynamics.	18/078,558 Granted
2023	Database query generation with discrete training data.	18/492,418 Pending
2022	Low-code algorithm for knowledge reasoning.	18/078,566 Pending
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