GIANCARLO FRISON

Senior Technology Strategist

🌐 gfrison.com
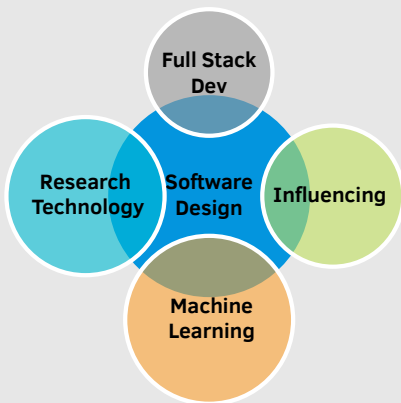
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Software specialist with a solid track record in the design and implementation of systems used in banking, telco, fintech, e-commerce and social media networks. I develop computational methods for novel ways to tackle business problems based on machine learning.

Daily Activities

Skills

Programming • Scala • Java

Software architectures

Deep Learning • ML

Natural language processing

DevOps

Education

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

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

Experience

Mar 2018 - Present — **Senior Technology Strategist** — SAP CX Labs, Munich
Implemented reinforcement learning and probabilistic programming libraries in Java/Scala. Ideated an automated negotiation system for finalizing E-Commerce deals.

Jan 2017 - Mar 2018 — **Software Architect** — SAP Hybris Labs, Munich
I created Charly, the conversational commerce prototype for SAP CX. Users may search, purchase items, ask informations, leverage functionalities of flagship E-Commerce platform just with messaging apps. I designed and implemented all features especially the conversational engine based on neural networks.

Jul 2016 - Dec 2016 — **Fellow** — SAP Innovation Center, Munich
I contributed to the architecture design of the SAP ML platform (Leonardo). The pipeline coordinates complex phases for data ingestion, features extraction, training, model versioning and inference. I run a number of proof-of-concepts based on Apache NiFi, Mesos, Hadoop, SparkML, Zeppeling and TensorFlow.

Mar 2014 - Jul 2016 — **Software Architect** — SAP Hybris, Munich
- I made inter-process communication framework embracing event driven programming. Built with Netty and RxJava it includes control over throttling, timeouts, retries and fallbacks, transparent OAuth.
- Core developer for providing a rich suite of services to support the rapid development application in the Hybris Commerce Platform.

May 2013 - Mar 2014 — **Selected Attendee** — TechPeaks, Trento
Selected for the training program of the startup accelerator on Lean Startup methodologies, business planning, corporate administration and taxation. I worked full time on my own business project.

Mar 2007 - May 2013 — **Senior Backend Developer** — Berlin, Milan, Rotterdam
- Implemented payment interfaces within banks introducing Spring for cloud based micro-services.
- I created a workflow engine within ad-hoc Domain Specific Language in Groovy for modelling chemical analisys.
- I built a distributed B2B SMS system, a micro-service constellation linked by ActiveMQ.
- I rewrote the B2B SMS platform for Vodafone Italia. Micro-services architecture glued by FioranoMQ.
- Created an XMPP server-to-server Java framework.
- Implemented BrokerTec trading integration and VXML interpreter for voice-recognition/text-to-speech server.

Dec 2002 - Dec 2005 — **Backend Developer** — SecServizi, Padova
Implemented IBM's RSA plugins for establishing a Model Driven Architecture.

Patents

Jun 2018 — Request pending
System, computer-implemented method and computer program product for information retrieval.

Mar 2018 — Request pending
Computer-implemented method, system and computer program product for providing a conversational application interface.