GIANCARLO FRISON

Technology Strategist

🌐 gfrison.com

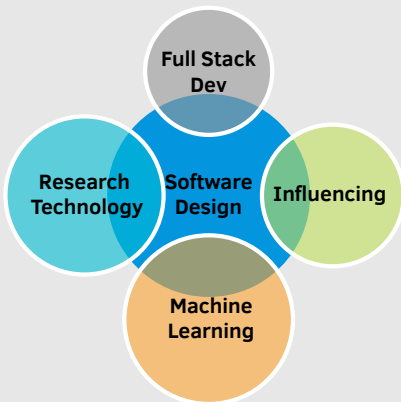✉ giancarlo@gfrison.com

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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 based on machine learning for solving business problems in novel ways.

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

Zefiro is a system that scales the sales force, encodes the knowledge of sales representatives and can contract deals on their behalf. The vision is about creating general-purpose software agents that aim to find an acceptable agreement for virtually any type of deal. Implemented reinforcement learning and probabilistic programming libraries in Java/Scala.

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.
I was also core developer of the Hybris Platform for providing a rich suite of services and tools to support rapid development application of extensions.

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

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

Sep 2019	"Computer-implemented converter method for multi-component systems and non-transitory storage medium. Request pending