

# Giuseppe Baccini

## Curriculum Vitae



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Giuseppe Baccini

### WORK EXPERIENCE

#### LogObject AG FEB 2024 – CURRENT (FT) *Senior Software Architect, Senior Staff Engineer*

As a member of the Design and Development team for the mLogistics product — a proprietary platform tailored to implement logistics solutions for large-scale organizations — I am responsible for architecting the next-generation system to meet evolving modern requirements. The platform primarily leverages a Java-based technology stack alongside Oracle and PostgreSQL database management systems. In my role as Staff Engineer, I have designed a solution using Docker Compose to streamline environment management for developers. This solution enables them to create, consume, and produce environments efficiently while making these environments accessible to the entire team. Additionally, I have designed a robust solution for emergency video calls utilized by emergency services, employing an architecture that integrates Coturn for TURN server functionality, Envoy for service proxying, and Redis for session management.

#### SUSE (Software Defined Storage) FEB 2022 – DEC 2023 (FT) *Senior Software Engineer*

At SUSE, I was part of the development team for the Enterprise Storage solution, contributing to the SUSE Enterprise Storage (SES) distribution and the Ceph platform. Ceph is a free and open-source software-defined storage platform that provides object, block, and file storage on a unified, distributed cluster foundation. It is designed for fully distributed operations without a single point of failure and offers scalability to the exabyte level. Additionally, I contributed to the software development of the s3gw and Epinio projects. The s3gw is an S3-compatible service optimized for Kubernetes environments, leveraging Persistent Volume Claims (PVCs) such as Longhorn. Epinio is a developer platform simplifying the deployment of applications in Kubernetes. These experiences allowed me to develop expertise in a range of technologies and tools, including Golang, SQLite, S3, Docker, Podman, Git, GitHub, Kubernetes, K3s, K3d, Longhorn, Rancher, Custom Resource Definitions (CRDs), Helm, Vagrant, Ansible, and libvirt.

#### LIST S.p.A 2010 – 2022 (FT) Capital Market Products *Engineering*

During my tenure in the Products division of LIST (Italy, Spain), I have taken on various roles and responsibilities, contributing significantly to numerous product development initiatives. I played an active role in implementing solutions based on the FastTrade product suite—a modular, multi-asset platform designed for the development of electronic trading systems. Over the course of this decade-long experience, I acquired extensive expertise in a wide range of industry-standard technologies, including C/C++, Boost, Java, Spring Boot, Python, RDBMS, Cassandra, Message Broker systems, AMQP, MQTT, Git, Kubernetes, Docker, CI/CD pipelines, and many others. This period has honed my technical skills and deepened my understanding of the tools and methodologies essential for building scalable, high-performance trading systems.

#### LIST S.p.A (Capital Market Products) 2019 – 2022 (FT) *Senior Software Engineer*

As a member of the Design and Development Team responsible for the connectivity layer of the FastTrade product, I played a key role in designing, developing, and enhancing various software gateways—fundamental building blocks of the FastTrade trading platform—tailored for integration with major European trading venues. In addition to my work on gateways, I contributed to the development of several core structural components, further strengthening the platform's scalability, reliability, and adaptability to the demanding requirements of electronic trading environments.

#### LIST S.p.A (Capital Market Products) 2018 – 2019 (FT) *Senior Software Engineer*

As a member of the Design and Development Team for the FTX-FastTrade Exchange product — a software solution designed to facilitate the implementation of Trading Venues and Systematic Internalisers in alignment with MiFID II regulations — I played an active role in expanding the suite's support for diverse market models. My specific contributions included the design and development of an RFQ (Request for Quote) model with third-party account management, enabling greater flexibility and functionality within the FTX suite to meet the evolving needs of trading venues.

## WORK EXPERIENCE

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2016 – 2018 (FT)

### LIST S.p.A (Capital Market Products) **Senior Software Engineer**

As a Software Architect in the Design and Development Team for the FastTrade MetaMarket product, I was responsible for the end-to-end design, development, testing, and optimization of key technological, architectural, and functional components within the FastTrade product suite. My role encompassed not only crafting high-performance, resilient solutions but also fine-tuning the platform for scalability and robustness to meet the demanding requirements of modern electronic trading systems.

2014 – 2016 (FT)

### LIST Spain. (LIST Branch) **Senior Software Engineer, Transfer Manager**

As a member of the Design and Development Team and Technology Transfer Manager representing the parent company, LIST S.p.A., I contributed to the development of the FastTrade Deal Manager product. This effort was part of a major project to deliver a comprehensive solution for managing trading flows of financial contracts executed across all global branches and locations of BBVA (Banco Bilbao Vizcaya Argentaria, S.A.). My role involved ensuring seamless integration, knowledge transfer, and the successful deployment of this critical trading infrastructure within BBVA's extensive international network.

2013 – 2014 (FT)

### LIST S.p.A. (Capital Market Products) **Contingency Team Manager**

I served as the Contingency Team Leader within the Product Division, where I was responsible for managing high-priority interventions in the software library. This role encompassed direct customer management, issue resolution, and the coordination of development teams within the Product Department to address critical issues efficiently and effectively.

2011 – 2013 (FT)

### LIST S.p.A. (Capital Market Products) **Software Engineer**

As a member of the Design and Development Team for the FastTrade Payment solution—covering the Greek Payment System, Credit Transfer, and Direct Debit—I contributed to a project focused on integrating, interconnecting, and modernizing national payment systems to align with SEPA (Single Euro Payments Area) standards. My work involved ensuring seamless compliance and harmonization across diverse financial systems, supporting the transition to a unified European payment framework.

2010 – 2011 (FT)

### LIST S.p.A. (Capital Market Products) **Software Engineer**

As a member of the Design and Development Team for the FastTrade OMS (Order Manager System) product — focused on the electronic trading of financial instruments—I played a key role in the implementation and deployment of the SaaS service MarketHUB, developed for Intesa Sanpaolo. My contributions ensured the successful delivery of this advanced trading platform, tailored to meet the bank's requirements and provide seamless electronic trading capabilities.

2008 – 2010 (FT)

### RJC Soft S.r.l **Software Engineer**

As a member of the team responsible for developing and maintaining Telecom Italia's user profiling system, I actively contributed to implementing a solution leveraging the Oracle Coherence distributed caching system. This approach enhanced the system's scalability, performance, and reliability, ensuring efficient handling of user data across a distributed infrastructure.

2007 – 2008 (FT)

### Apai S.r.l **Software Engineer**

In my first professional role, I served as a member of the Design and Development Team responsible for developing and maintaining Intesa Sanpaolo's employee access and authorization system. This experience marked the beginning of my career, providing me with valuable hands-on exposure to designing secure and efficient systems for managing access control within a large-scale organization.

## EDUCATION

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2006 **Bachelor of Computer Science**  
Department of Computer Science  
*The University of Pisa*

## SOCIAL SKILLS

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With fifteen years of experience collaborating with high-performing teams, I have honed exceptional teamwork and communication skills. A significant part of my role involves regularly providing and receiving constructive feedback, fostering a culture of continuous improvement by addressing challenges and acknowledging achievements.

## INTEREST AND ACTIVITIES

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Studying, Reading, Programming, History and Philosophy, Open Source, Linux, Martial Arts.

## LANGUAGES

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ENGLISH: Professional Speaker  
ITALIAN: Native Speaker

## COMPUTER SKILLS

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Golang, C, C++, Java  
Python, Javascript, Ruby, Swift  
Network and System programming  
Event driven programming  
Language Interoperability  
Test driven development  
Debugging, GDB  
S.O.L.I.D, OOP, Design Patterns  
IOC/AOP  
Java Spring Boot  
SQL, HQL, Sqlite, Oracle, PostgreSQL  
Redis  
Kubernetes, K3s, K3d, Kind  
Docker, Docker Compose, Podman  
Helm, Vagrant, Ansible  
Ceph, Longhorn, Rancher  
AWS S3, Minio, COSI  
RabbitMQ, AMQP, MT'TQ, gRPC  
AsynchAPI, Swagger  
Medik8s  
Prometheus  
Traefik, HaProxy, Nginx, Envoy  
Coturn  
Ginkgo, Gin  
GoogLeTest  
V8 Javascript and WebAssembly Engine  
Qt, Boost  
Git, GitHub, GitLab, CI-CD  
Shell, Scripting

ACTIVELY STUDYING Large Language Models