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Top Skills

Software Project Management

Software as a Service (SaaS)

Model Context Protocol

Languages

French (Professional Working)

Italian (Native or Bilingual)

English (Full Professional)

Certifications

Professional qualification to practice as engineer in Italy

Francesco Bullini

CTO-Level Consultant | Enterprise AI Agents Specialist | Secure AI Implementations | GenAI & Data Expert
Boulogne-Billancourt, Île-de-France, France

Summary

CTO with 16+ years experience in R&D departments of software houses and startups, with strong background in computer engineering and AI.

Specialties: R&D Management, Lead of complex projects, Definition and Execution of the Roadmap , Due Diligence, Business/Technical Presentation to Investors, Architecture, Recruitment IT profiles, Support to pre-sales, establishing/improving internal processes.

Types of projects: Startup creation, Digital Transformation, Innovative Systems, Adoption of AI, Post M&A Integrations, Due Diligence, Technology Transfer, Systems Integration.

Technologies: AI native platforms, Agent first solutions, sovereign AI solutions, Agentic Systems, Multi Agent Architectures and Protocols, Large Language Models, Agentic RAG systems, cross-cloud application, cloud-agnostic applications, API Management, Microservices, Java ecosystem, service oriented architectures.

Soft skills: team leadership, team spirit, intercultural competence.

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Technical Keywords:

Agentic Systems, Model Context Protocol, Multi Agent System, Agent-2-Agent protocol, AI architect.

SCRUM, Agile, JIRA, Confluence, Maven, CI/CD, Jenkins, GitActions, Docker, Nexus, SonarQube, SaaS, Enterprise Architecture, GIT, Java, JEE, J2EE, Tomcat, JBoss, Spring, Struts, Microservices, Spring Cloud, Node.js, REST, OpenAPI, Swagger, SOAP, ElasticSearch, Clouds, GCP, Google Compute Engine,

Google Kubernetes Engine, SSO, Azure AD, Azure AD B2C, Firebase, Firestore, AWS EC2, SQL, PostgreSQL, SQLServer, MySQL, ChromaDB, Neo4J, ElasticSearch, RabbitMQ, Web-Services, behavior testing, acceptance testing, integration testing, TestLink, Squash TM, Javascript, Angular 2+, GWT, JQuery, JSON, XML, HTML, CSS, open-source, OSGI, OAuth, SSO, JWT, UML, Design Patterns, System Modeling.

Experience

Muteki Group
Business Development Advisor
August 2025 - Present (4 months)

Agenticity
CTO / AI Architect
January 2024 - Present (1 year 11 months)
Paris, Île-de-France, France

- ▶ Designed and developed an agent-first AI-native software infrastructure for contextual reasoning and orchestrating teams of domain-specific AI Assistants (B2B).
- ▶ Conceived, designed, and developed two MVPs for AI assistants (B2B) based on RAG, in the fields of coaching and civil construction.
- ▶ Negotiated agreements with partners.

D-Reskill at Universities
Consultant CPO/CTO
May 2022 - November 2023 (1 year 7 months)
Paris, Île-de-France, France

- ▶ Co-created the accepted grant for an EU project.
- ▶ Led technical meetings between European partners.
- ▶ Designed products and solutions to meet requirements.
- ▶ Maintained a coherent vision of the product synthesizing different points of views and proposals.
- ▶ Conducted feasibility studies exploring different ontologies and approaches to apply skill intelligence to education and for reskilling the workforce.
- ▶ Ensured compatibility to technical standards and ontologies (ESCO, ISCO, ISCED, EQF, NACE).
- ▶ Supervised mockup implementation (Figma, Figma Flow), UX design and user needs assessment survey.

- ▶ Co-created EU technical reports.
- ▶ Presented in international education (edTech) conferences.

Universitat Oberta de Catalunya
Consultant CPO/CTO
June 2023 - September 2023 (4 months)
Barcelona, Catalonia, Spain

- ▶ Designed a software product in the field of education and career development.
- ▶ Supervised the development of a prototype of a career guidance platform.
- ▶ Conducted a feasibility study for integrating the product into the university's IT ecosystem.

Pixis.co
3 years 1 month

Chief Technology Officer / Data Protection Officer
April 2020 - July 2022 (2 years 4 months)
Paris, Ile-de-France, France

- ▶ Supported pre-sales and key accounts.
- ▶ Managed an heterogeneous team up to 10 professionals in the building of the IT products of the company.
- ▶ Managed concurrently up to 5 complex projects.
- ▶ Created, maintained and ensured the realisation of the Roadmap.
- ▶ Supported the elaboration of the business models.
- ▶ Introduced a continuous improvement process.
- ▶ Designed and implemented a tool to map the ROME database to the ESCO ontology, enabling interoperability between job classifications and leading to new client acquisitions.
- ▶ Trained and onboarded new employees.

Chief Technology Officer
July 2019 - March 2020 (9 months)
Paris, France

- ▶ Presented technological/strategic vision to investors.
- ▶ Supported CEO to write contract with partners and customers.
- ▶ Elicited requirements and designed the software architecture.
- ▶ Designed new functionalities and products.
- ▶ Enforced GDPR and security constraints to the software product.
- ▶ Developed technical proof of concepts and key elements of new SaaS products.

- Introduced an internal agile process.
- Led the team as SCRUM master and coach.
- Managed a group of 5 data scientists in a machine learning project to exploit available data.

FlexUp

Agile Coach / SCRUM Master

March 2021 - February 2022 (1 year)

Paris, Île-de-France, France

- Led Sprint meetings as Scrum Master
- Provided agile coaching sessions.
- Created and maintained the company knowledge base.
- Created and maintained the Roadmap.
- Facilitated the creation of specifications.
- Introduced agile processes and best practices.

Blushup

CTO Ad Interim

May 2019 - June 2019 (2 months)

Paris / San Francisco

Led a remote team of two developers to build an MVP iPhone application for the retail sector.

Entrepreneur / stealth mode

CTO / Software Architect

October 2018 - March 2019 (6 months)

Paris, France

Participation into the conception of a start-up in the banking sector.

Achievements

- Elicited requirements and discussed business strategy.
- Designed the architecture
- Implemented a PoC of the solution on Docker and Google Kubernetes Engine.

Eptica, an Enghouse Company

Senior Software Engineer

January 2016 - June 2018 (2 years 6 months)

Paris Area, France

Achievements

- Performed analysis, story cards and proof of concept, for the introduction of innovative features based on natural language processing into a CRM.

- Introduced new RESTful API in a suite of multiple interacting JEE applications.
- Improved security of applications, aligning them with OWASP recommendations.
- Designed the architecture and developed a PoC of an user's actions tracking system for security auditing.
- Designed and implemented behaviour, integration and performance/load tests.
- Added security and code quality analysis within the continuous delivery pipeline.
- Designed and implemented an automated data migration process between major versions of a CRM.
- Performed penetration testing for security auditing of a CRM.
- Redesigned the specifications of a module of an application, providing behaviour tests.

Responsibilities

- Improvements and maintenance of the company's core applications, within an international SCRUM team.

collaboration with J. Husch PhD, 2Collaborate Consulting
Business Analyst / Software Architect
September 2014 - September 2015 (1 year 1 month)
Geneva Area, (CH)

Key Achievements:

- Performed business analysis, system analysis and design of a platform to implement the “Action Intelligence” methodology, in the management of projects related to global themes.
- Implemented demonstrative components using JAX-RS, 2D/3D graph-based (javascript and java) tools and IBM Watson.

Main Responsibilities:

- Eliciting and managing requirements.
- Transforming requirements into a software architecture.
- Choosing the technologies to use.

Terabee
R&D Software Lead
March 2013 - August 2014 (1 year 6 months)
Geneva Area

Key Achievements:

- ▶ Coordinated a team of professionals to develop an application integrating smartphones and unmanned aerial vehicles (UAVs) for the golf sector.
- ▶ Developed the services (feasibility studies, internal procedures, operation manuals) of the company in the field of Photogrammetry and aerial inspections.
- ▶ Accomplished various tasks in the fields of aerial mapping, 3D Reconstruction and Virtual Tours.
- ▶ Designed experiments and developed a software tool in order to evaluate the accuracy of 3D reconstruction methodologies.
- ▶ Developed an application to configure an on-screen display.
- ▶ Developed an internal tool to manipulate point-clouds.
- ▶ Developed an internal tool to get online statistics from data received from a time-of-flight sensor.

Main Responsibilities:

- ▶ Analysis, design, implementation of services and applications in the field of aerial inspections using UAV and innovative sensors.

italianaSoftware s.r.l.

Software Architect / Project Manager

September 2010 - November 2012 (2 years 3 months)

Imola, Italy

Key Achievements:

- ▶ Led a 5-month project (from feasibility study to post-release support), leading a team up to 4 IT professionals, replacing a 3-tier Oracle solution with an open-source microservices architecture.
- ▶ System analysis and design of a distributed service-oriented e-commerce back-end.
- ▶ Implemented a service-oriented fail-safe real-time data synchronizer between remote DBMS and ERP.
- ▶ Improved the new language JOLIE with tools, debugging and performance analysis.
- ▶ Accomplished an external consultancy, as QA engineer, working with Oracle Service Bus within a 500+ services system, in the mobile carrier industry.
- ▶ Planned, developed, maintained (and trained professionals into) the company's tools for collaborative remote developing, componentization and deployment of innovative applications (including custom Maven plugins, Artifact repository, deployment lifecycle, IDE Setups).

- Designed and implemented an application to convert the JOLIE type system into WSDL.
- Developed the initial core of a web application for managing the accounting of consultants of a large IT company.
- Designed and developed microservice-oriented components for logging, scheduling/triggering of events and document elaboration, reusable in distributed cloud-oriented applications.
- Implemented two microservices compliant with EDI standards in a project involving ESB.

Main Responsibilities:

- Project management and team leadership of IT projects.
- Conception, analysis, design and development of innovative service-oriented web applications.
- Conception, realization and management of the infrastructure for collaborative remote and local work.

GEM BB S.r.l.

Project Consultant / Resource Trainer

June 2011 - June 2012 (1 year 1 month)

San Marino

Key Achievements:

- Supervised the construction (analysis, design and implementation) of three ETL (Extract-Transform-Load) applications (SQLServer, AS400).
- Provided solutions to integrate Java with legacy systems (AS400 and Microsoft COM).
- Made a developer autonomous on managing the built products, providing lessons and pair programming.

Main Responsibilities:

- Leading the construction of three applications, involving java/AS400 and java/COM technologies.
- Mentoring a developer.

gheotech srl

Software Analyst / Developer

October 2009 - August 2010 (11 months)

Key Achievements:

- Re-Designed and developed a web-based remote surveillance application using IP cameras and open-source libraries.

- Developed a web service (JAX-WS) that exposes SVG maps, querying a Geographical Information Systems (GIS).

Main Responsibilities:

- Management, development, maintenance, deployment, support of six IT projects (JEE) in the fields of remote video surveillance via Web, Geographical Information Systems (GIS) applications for utilities distribution and laws compliance.
 - Management of the relationships with the stakeholders of the projects.
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Education

Università di Bologna

Master's Degree in Computer Engineering, Specialization in Systems and Applications