

MAIN SKILLS

Innovation projects & tech leadership (CTO)

Wide culture of the medias and web areas - technologies, concerns, trends
Team build-up, design, realization, deployment, support
Functional analysis, planning, technology choices and decisions
Requests for bid, partners and contractors identification

Web architecture & pragmatic change management

Defining infrastructure guidelines and urbanization
Mentoring teams in implementation and skill development
Micro-service and API.RESTful-centric architectures, containerization (Docker), API-First architectures
Virtualization and cloud migration (private/public)

Technical expertise

IoT ecosystems and smart home, distributed platforms
DevOps transformation & continuous integration CI/CD
High-traffic hosting platforms (VoD, e-commerce, information medias)
HTML/CSS, Git, RubyOnRails, DNS, Debian, MySQL/MariaDB, Apache/Nginx, Postfix
Network architecture from L2 to L7, proxies, VLAN 802.1q

WORK EXPERIENCE



Founder & CEO

photofactory.io

Built a social platform for photography enthusiasts from scratch
A new way to share for artists and photo enthusiasts

2020

Lille (France)



Lead Software Architect

Ontex Digital Factory

Defined the next e-commerce subscription platform
Contributed to an innovative IoT project (hygiene area)

2020 · 4 months

Paris (France)



Solutions Architect - Digital BU

FDJ Française des Jeux

Supervised and guided development teams
Defined the target micro-services architecture
Set up continuous integration and deployment (CI/CD) using Docker
Bootstrapped and led reference teams on NodeJS/MongoDB + lean management

2017 · 2.5 years

Paris (France)



Re-platforming architect to micro-services

RueDuCommerce

Refined the transformation trajectory of the IT department and led the movement
Automated and implemented CI/CD practices (on containers and private cloud)
Developed technical models for the new architecture

2016 · 1 year

Paris (France)



Architect - VoD platform re-engineering

FranceTV Numérique

Built the new replay platform handling all the contents (18-months project, several experts)

Initiated and build the "rest-ftp-daemon" open source micro-service project
Initiated the global messaging system for realtime notifications (AMQP)
Led strategic collaboration on several projects across the Group

2014 · 4 years

Paris (France)



Hosting specialist - change management

Société Générale

Re-integrated the Crédit du Nord branch activity (integration and maintenance perimeters L2/L3)

Successfully built a cooperating ecosystem between legacy teams and new teams

2013 · 6 months

Paris (France)



Consulting architect - network and security

SAFRAN / SNECMA

Took over skills and responsibility of network security from SNECMA branch to headquarters
Brought internet technologies expertise about email, DNS, network security and web filtering

2012 · 3 months

Réau (France)



Bruno Medici

Freelance web architect | CTO

 cvweb2@bmconseil.com

 +33 611 647 608

 Lille-Centre | Paris 13

 [brunomedici/](https://www.linkedin.com/in/brunomedici/)

 github.com/bmedici

 bmconseil.com

EDUCATION

Engineering Master Degree

Mobile communications
Marketing of technology

International conferences

Elixir Conf 2020 Warsaw
Rails Conf 2010 Baltimore
Rails Conf 2009 Las Vegas
Rails Conf 2007 Berlin
Paris On Rails 2007 Paris
PHP Conf 2004 Amsterdam
PHP Conf 2002 Munich

Training and workshops

Google Cloud Platform
Fundamentals and Architecting (Paris)
Cisco CSPFF & CSPFA (PIX Firewall Advanced)
PSC1 civil emergency prevention

DUT Networks & Telecoms

IUT Sophia-Antipolis (2000)

Bac S (TI)

School diploma in Sciences

INTERNATIONAL

Mobility • France, pays anglophones, monde

French • langue maternelle

English • courant (TOEIC 920)

Italian • basic (father)



Architect - Video/VoD platform re-engineering

CANAL+

2011 · 1.5 years
Paris (France)

Urbanized multiple video-on-demand platforms for the Group, defined the target architecture
Led the call for bids for the workflow engine function
Managed the storage restructuring project within Diffusion branch (above 1 PB of data)



Internet and security architect

Crédit du Nord, Société Générale

2010 · 1 year
Lille (France)

Practiced technical architecture and evolutions of Customers Internet platforms
Defined hosting architecture for Mobile Internet services (customers of 7 branches/banks)



Architected onboard platform for TGV trains

SNCF/BOLLORE

2009 · 6 months
Paris (France)

Defined and built a service platform with internet access, aboard of TGV-Est trains
Defined technical functional architecture for onboard and ground-train link



Audit and content-delivery providers selection

FRANCE 24

2008 · 1 month
Paris (France)

Audited coupling between business-critical systems and content-delivery providers
Published optimization recommendations for the hosting architecture, basis for a tender session



Information system architect

Reims & Chaumont Hospitals

2008 · 3 months
Reims (France)

Set up a system federating data for several hospitals, case study and recommendation of a technical architecture, security expertise, workflow
Helped project office, requests for bid, facilitated developments



Web and medias strategy consultant

FRANCE 24

2007 · 6 months
Paris (France)

Lead the 2007 coverage of the French presidential election on the web
Provided strategic support for the IT department
Conducted and wrote the request for bid for the new web infrastructure



Co-founder and CTO of Itool Systems

Itool Systems, SaaS editor

2001 · 5 years
Lille (France)

Associate and co-founder, board member
Architect and production executive
Development team manager (5)



Team leader, development of Itool Compta

Atomis, Internet Services

2000 · 2 years
Lille (France)

Designed an online software offer
Built the Itool line of products - accounting, invoicing, digital documents management



OPENSOURCE PROJECTS

rest-ftp-daemon

Industrial-grade files transfers on FTP/sFTP/FTPs/S3 controlled by a RESTful API.
Instrumented by NewRelic, build by CodeShip+BuddyWorks, code quality by CodeClimate.
Deployed in production since 2016 for France Télévisions - transferring 300+ video files 2TB+ daily.

rbpm - Ruby Business Process Manager

Workflow manager to orchestrate RESTful microservices.

pushyd - Realtime push messages proxy

Realtime events diffusion from an AMQP broker to partners (HTTP POST).
Used by France Télévisions to propagate start/end program events to VoD partners

service-graph

Dependencies computing and graphing between microservices, scanned on Gitab repositories.

INTERESTS

Scuba diving • N2
PA40/PE60 TDI Deep+Nitrox

Private pilot • Ultra-light
licence (BB), Private pilot
license upcoming (PPL)

Photography • Studio,
tourism, portrait, urban
exploration

Smart Home & IoT •
Automation, connected objects
based on
Arduino/ESP8266/ESP32

RubyOnRails • Dev, R&D,
various online services

President of LilleSansFil
(until 2005) • Free
metropolitan wireless network /
wifi Strategy, press and
institutions relations Embedded
systems, mesh networking

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