

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
Functionnal 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



2020

Lille (France)

Founder & CEO

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

photofactory.io



2020 · 4 months

Paris (France)

Lead Software Architect

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

Ontex Digital Factory



2017 · 2.5 years

Paris (France)

Solutions Architect - Digital BU

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

FDJ Française des Jeux



2016 · 1 year

Paris (France)

Re-platforming architect to micro-services

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

RueDuCommerce



Bruno Medici

Freelance web
architect | CTO

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in brunomedici/

🐙 github.com/bmedici

🌐 bmconseil.com

EDUCATION

Engineering Master Degree

Mobile communications
Marketing of technology

International conferences

Elixir Conf 2020 Varsaw
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)



2014 · 4 years
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



2013 · 6 months
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



2012 · 3 months
Réau (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



2011 · 1.5 years
Paris (France)

Architect - Video/VoD platform re-engineering CANAL+

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)



2010 · 1 year
Lille (France)

Internet and security architect Crédit du Nord, Société Générale

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



2009 · 6 months
Paris (France)

Architected onboard platform for TGV trains SNCF/BOLLORE

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

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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2008 · 1 month
Paris (France)

Audit and content-delivery providers selection

FRANCE 24

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



2008 · 3 months
Reims (France)

Information system architect

Reims & Chaumont Hospitals

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



2007 · 6 months
Paris (France)

Web and medias strategy consultant

FRANCE 24

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

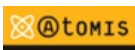


2001 · 5 years
Lille (France)

Co-founder and CTO of Itool Systems

Itool Systems, SaaS editor

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



2000 · 2 years
Lille (France)

Team leader, development of Itool Compta

Atomis, Internet Services

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/FTP/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.