❤ MAIN SKILLS

Innovation projects & tech leadership (CTO)
Wide culture of the medias and web area - 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)
Virtualization and cloud migration (private/public)

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

💼 WORK EXPERIENCE

Founder & CEO   photofactory.io
2020
Lille (France)

Lead Architect   Ontex Digital Factory
2020 · 4 months
Paris (France)

Solutions Architect - Digital business   FDJ Française des Jeux
Defined the target micro-services architecture
Supervised and guided development teams
2017 · 2.5 years
Set up continuous integration and deployment (CI/CD) using Docker
Paris (France)
Bootstrapped and led reference teams on NodeJS/MongoDB + lean management

Micro-services platform architect   RueDuCommerce
Refined the transformation trajectory of the IT department and led the movement
Automated and implemented CI/CD practices (on containers and private cloud)
2016 · 1 year
Developed technical models for the new architecture
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
2014 · 4 years
Initiated the global messaging system for realtime notifications (AMQP)
Paris (France)
Led strategic collaboration on several projects across the Group

Hosting specialist - change management   Société Générale
Re-integrated the Crédit du Nord branch activity (integration and maintenance perimeters L2/L3)
2013 · 6 months
Successfully built a cooperating ecosystem between legacy teams and new teams
Paris (France)

Consulting architect - network and security   SAFRAN / SNECMA
2012 · 3 months
Took over skills and responsability of network security from SNECMA branch to headquarters
Réau (France)
Brought internet technologies expertise about email, DNS, network security and web filtering

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Bruno Medici

Freelance web architect | CTO

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in brunomedici/
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🌐 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)

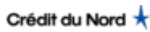**Italian** ● basic (father)

CANAL+

Architect - Video/VoD platform re-engineering   CANAL+

2011 · 1.5 years
Paris (France)

Urbanized multiple video-on-demand plateforms 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)

Crédit du Nord

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)

SNCF Bolloré

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 functionnal architecture for onboard and ground-train link

FRANCE 24 L'ACTUALITÉ INTERNATIONALE 24H/24

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 rcommendations for the hosting architecture, basis for a
tender session

CHU DE REIMS

Information system architect   Reims & Chaumount Hospitals

2008 · 3 months
Reims (France)

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

FRANCE 24 L'ACTUALITÉ INTERNATIONALE 24H/24

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

itool systems

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)

@toMIS

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

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✦ 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 Télécisions - 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.