

MAIN SKILLS

Innovation projects & tech leadership (CTO)

Medias & TV, web, e-commerce and start-up (tech, business, challenges knowledge)
Solutions design, build, deploy, operate
Business analysis, planning, technology choices and decisions
Experts team build-up and innovation management

Web architecture & pragmatic change management

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

Technical expertise

Software factory automation (CI/CD), DevOps teams buildup
Kubernetes hosting, GitOps automation
High-traffic hosting platforms (VoD, e-commerce, information medias)
IoT ecosystems and smart home, distributed platforms
Network architecture L2-L7, proxies, VLAN 802.1q, etc
HTML/CSS, Git, RubyOnRails, DNS, Debian, MariaDB, MongoDB, Apache/Nginx, Postfix

WORK EXPERIENCE



2021 · 1 year
Full remote (Paris)

Principal Engineer / Head of architecture

Free2move

Scale-up | Kubernetes | Gitops | Micro-services | NodeJS | CI/CD | Management | Mobility

Principal Engineer - tech expertise and leadership
Manager of the Mobility Framework team (6 senior engineers)



2020 · 4 months
Paris (France)

Lead Software Architect

Ontex Digital Factory

e-commerce | API first | Micro-services | Health Care | PHP/Symfony

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



2017 · 2.5 years
Paris (France)

Solutions Architect - Digital BU

FDJ Française des Jeux

Digital transformation | Micro-services | CI/CD | PHP | MariaDB | NodeJS | MongoDB | Docker

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



2016 · 1 year
Paris (France)

Re-platforming architect to micro-services

RueDuCommerce

E-commerce | Replatforming | Micro-services | CI/CD | PHP | Docker

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



2014 · 4 years
Paris (France)

Architect - VoD platform re-engineering

FranceTV Numérique

Media & broadcast | Replatforming | Micro-services | VoD | Push messaging | High traffic | CDN delivery

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

Banking | Project coordination | Platform access security | DenyAll rWeb | ActivNetwork

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

Defence security | 50k+ users | Cisco | Bluecoat

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



Bruno Medici

Freelance web architect | CTO

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📍 Lille-Centre | Paris 13

in [brunomedici](#)

🌐 github.com/bmedici

🌐 bmconseil.com

EDUCATION

Engineering Master Degree (IMT Lille-Douai, ex ENIC)
Mobile communications
Marketing of technology

International conferences

Elixir Conf 2021 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

GCP Fundamentals & Architecting
Cisco PIX Firewall Advanced
PSC1 civil emergency prevention

DUT Networks & Telecoms

IUT Sophia-Antipolis (2000)

Bac S (Techno indus)

School diploma in Sciences

INTERNATIONAL

Mobility

France, English-speaking countries, rest of world

French

Mother tongue

English

Pro proficiency (TOEIC 920)

Italian

Basic (father)



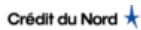
Architect - Video/VoD platform re-engineering

CANAL+

2011 · 1.5 years
Paris (France)

Media & broadcast Architecture Business workflows R&D Transcoding Storage Delivery

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)

Banking Platform architecture High traffic IP networking

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)

Audit Architecture Embedded service portal Rail industry Ruby on rails PHP

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



Audit and content-delivery providers selection

FRANCE 24

2008 · 1 month
Paris (France)

Media & broadcast High traffic platform CDN delivery Akamai Drupal

Audited coupling between business-critical systems and content-delivery providers
hosting architecture optimization recommendations (Special Technical specs)



Information system architect

Reims & Chaumont Hospitals

2008 · 3 months
Reims (France)

Healthcare Personal data security National repository Ruby on Rails PKI

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)

Media & broadcast Project management CDN delivery Video streaming Opensource

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)

Co-founder Finance & accounting Pure-player Innovation Business award Management

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)

asp/saas php/mysql framework haute-dispo métier sécurité

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

INTERESTS

Scuba diving

N2 PA40/PE60
TDI Deep-diver, 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

Development, R&D, several hosted
services

LilleSansFil

Non-profit, president (2005)
Open metropolitan network (wifi),
press and institutions relations
Embedded systems, mesh radio
networking

PROJECTS & OPENSOURCE

photofactory.io

Web platform for artists and photo
enthusiasts
Showcase digital photowork,
manage contacts and workshops,
share with clients and partners

vancomfort

Embedded heater thermostat and
airing controller

rbpm

Technical workflow manager to
orchestrate RESTful microservices

rest-ftp-daemon

industrial-grade files transfers with
a RESTful API
Manages heavy files transfers on
FTP, sFTP, FTPs S3, (media files)
Deployed in production since 2016
for France Télévisions - transferring
300+ video files 2TB+ daily

pushyd

Propagates real-time events from
broker to partners
In use by France Télévisions to
propagate start/end program events
to VoD partners

service-graph

Micro-service dependencies and
graphs from Git repositories

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