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





2020 Lille (France)

Founder & CEO

photofactory.io

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



2020 · 4 months Paris (France)

Lead Software Architect

Ontex Digital Factory

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



2017 · 2.5 years 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



2016 · 1 year 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



Bruno Medici

Freelance web architect | CTO

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EDUCATION

Engineering Master Degree Mobile communications

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 Amsterdan

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

DUT Networks & Telecoms

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 responsability of network security from SNECMA branch to headquarters

Brought internet technologies expertise about email, DNS, network security and web filtering

CANAL+

2011 · 1.5 years Paris (France)

Architect - Video/VoD platform re-engineering

CANAL+

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 🛧

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 functionnal architecture for onboard and ground-train link

INTERESTS

Scuba diving • N2
PA40/PE60 TDI Deen+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/FSP8266/FSP32

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

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



2008 - 3 months Reims (France)

Information system architect

Reims & Chaumount Hospitals

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



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/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.