

## PROFILE

***Experienced tech team leader looking for a challenging project and/or a first professional experience with AI.***

Often referred to as a "Swiss army knife", with experience in

- native and web dev / software engineering setup / (Big) data management
- Consultancy / Senior dev / Tech lead / Architecture / Project management

Autonomous, fast-learner, keen on innovative technologies

Google certification for Tensorflow / Self starter on AI technology

Freelance contractor since 2008, looking for a remote-first position

## CONTACT

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🏠 Based in France

✓ Open to remote work

## WORK EXPERIENCE - SUMMARY

### I have been

- a Project Manager
- the CTO of a startup that raised 12M€
- a Consultant for french leading companies
- a Tech Leader / Architect for projects up to 20 members and 6500 man.days.

### I have experience on

- web-oriented dev
- desktop/native dev
- big data dev
- AI
- software engineering
- RDBMS

### I have worked on

- fast-paced agile projects
- long-term core projects
- prototypes
- software engineering
- audit

### I am

- versatile
- adaptable
- a fast learner
- reliable
- involved
- a team worker

## SKILLS

Java

SQL

Powershell

Spark (java)

ELK

HTML

Javascript

Tensorflow/Keras

Map-Reduce

Linux shell

NoSQL (mongoDB)

Spring framework

CSS

Win32 (low level API)

Spark (scala)

Py-spark

Python

Delphi

GOlang

Flutter/dart

## WORK EXPERIENCE - DETAILS

### Tech lead | Desktop + web

2018-2021

The main application on 10,000+ end-users desktops was a proprietary native executable. Re-organize its maintainance in an agile manner to reduce the MTTR from 3 months to under 1 day. Then replace it with a customized standard web browser. This entails

- Impacts in legacy applications and software
- Setup of front- and backend java apps + storage
- Dev of a Firefox webextension
- Some MSWindows-native dev

Java | spring | react.js | mongoDB | C# | win32 | powershell | Go | ELK | docker / Firefox webext | Scrum

## Tech Lead + Architect | *Big Data*

2016-2018

Design and setup the enterprise's datalake : on-premise 70+ worker hadoop cluster + industrialize data ingest + prototype use cases Coordinate a multi-field group of experts.

Lead to major impacts on

- Network setup
- Buying strategies
- Procedures and roles
- Hardware choices
- Data management
- Governance

Java | scala | python | spark | map-reduce | hortonworks

## Tech Lead + Architect | *Elasticsearch*

2016

Design and setup the enterprise's ES cluster and near real-time data indexing

- Cluster scaled for performance
- Complex indexing automated from models of incoming and indexed data structures
- Used by other systems as a fast, central, readonly, up-to-date cross-functional data source

Elasticsearch | Java | Eclipse EMF | JMS | Kafka | Oracle

## Architect + Tech lead | *Software engineering*

2011-2015

Design and setup the enterprise's engineering tool suite for managing 1,000+ apps w/ 35,000+ components artifacts with their versions and their deployment.

- involved IT managers, urban planning team, ops, projects and support teams in the conception
- 40% decrease in component-incompatibility related bugs
- drastic reduction in time needed for preparing a release
- huge reduction in cost of managing multiple environments
- allowed for a better overall time-to-market by allowing intermediate releases every month

Java | Eclipse RCP + EMF | Eclipse CDO | mySQL DB | Elasticsearch | Sonatype Nexus | REST | Tomcat

## Expert | *Win32 dev*

2011

**Problem :** 7,000+ users encountering instability and crashes of their main application.

**Fix :** Divide the number of crashes by 10 through isolation of embedded MS WebBrowser and Adobe Acrobat Reader components in separate multiple processes.

- Multi-process architecture
- Written a framework for manipulating remote processes through java calls.

COM/DCOM | Win32 | Delphi | Java

## Consultant | *Redesign core legacy software*

2010-2011

As part of a multi-expert team, propose then develop the target architecture, framework and engineering for replacing the legacy COBOL/Tuxedo/Delphi P&C core business.

- Proposed SOA architecture
- Prototyped java frameworks for UI, services routing and orchestration, data access
- Addressed security and performance
- Setup Source Versioning (SVN) and automated Continuous Integration

Java | Spring | XML+XSD+WSDL | RichFaces | maven | Ruby /Oracle | SVN | Hudson(Jenkins)

## EDUCATION

2022

Google certified  
Tensorflow  
Developer

2015

Hadoop Advanced  
Developer

Cloudera certification training

2001

Engineering degree +  
Master's degree

Computer Science and  
Cognitive Sciences

Ecole Internationale des  
Sciences du Traitement de  
l'Information

(aka CY Tech / Paris  
University)

## SPOKEN LANGUAGES

French

*mother tongue*

English

*professional working w/  
excellent reading and writing*

Spanish

*elementary*

German

*elementary*

Italian

*elementary*

## Architect + Project manager | *Unifying UIs on the desktop*

2006-2009

**Context :** 6,000+ users had worked with a legacy single fullscreen delphi app desktop for years.

**Goal :** Mitigate the multiplication of applications on the desktop (wether native, web, proprietary or in-house : CRM, software telephony, BPM, partner apps...)

**Means :** develop an innovative « super browser » that can host both native and web apps into a single window, letting apps share a context.

- Ergonomical and architectural study
- Technology selection through concurrent prototypes
- Integration with various technologies
- Scaling for performance
- Deployment
- Setup SVN and continuous integration and automated build
- Managing budget and planning

Java | OSGi | Eclipse RCP | VC++ | Win32 | Delphi | C# | Cruise Control | SVN | Spring framework | LDAP

## Head of Technology | *SmartJog.com*

2002-2006

**Context :** SmartJog was a startup that raised 12M€ in 3 rounds for digitalizing the market of media assets through secure file transfer via satelleyte.

**Clients :** Major film studios (Paramount, Sony, Walt Disney, 20th century Fox...) and TV channels across the world (BBC, TF1, Canal+, ZDF, CCTV...).

**My mission :** Responsible for the software dev team - 8 members.

- Report to the CEO
- Define strategies and directions
- Direct relations with partner CTOs for technical integration
- Recruit and manage devs and ops
- Architect and tech lead
- Monitor technology development

**Achievements :** Built a successful, innovative web-based secure platform that let

- Major studios upload media assets and manage their catalogue online
- TV Channels order videos through satelleyte and screen them in the browser

Java | JSP | XML+XSLT | EJB 3 | Hibernate | Oracle + intermedia then postgresql | CVS | WebServices /IBM WebSphere then tomcat | Eclipse RCP | LDAP

## Developer | *Unilog / CGI*

2001-2002

**Context :** Unilog was a french leading Consultancy company - since then acquired by CGI.

**Clients :** Bank, insurance, pharmaceuticals, telecom.

**My mission :** Developer then lead developer on various projects.

- Design and develop intranet and web portals
- Design create and maintain relational DB models.
- Implement documentary search engines
- Setup content management systems
- Monitor technology development

Java | JSP | XML+XSLT | servlet | Oracle | CVS | Vignette | ATG Dynamo | Documentum WebPublisher | IBM WebSphere | Weblogic | Eclipse RCP | Swing | Ant

Bee keeping, Sport, Travel,  
Electronic DIY, Maths,  
Programming, Cooking...