

EUROPASS

Curriculum Vitae



Ludovic Valente

Fullstack software engineer @SFΞIR Luxembourg

Personal information

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About me

Senior Full-Stack Application Developer, IT architect, Vue.js Trainer, tech lead, Flutter/Android developer.

Focused on modern architecture around mobility and web requirements.

I create modern apps with emerging technologies relying on efficient architecture.

Main/favorite skills: Java, SpringBoot, Android, ElasticSearch, Node.js, Vue.js, Flutter

Work experience

Software Architect

Nov 2025 — Present

SFEIR - Banque Internationale à Luxembourg · Luxembourg, Luxembourg

As a Sfeir consultant, I am a Software Architect at BIL (Banque Internationale à Luxembourg) in the COE team, responsible for multiple microservices.

My role is to analyze and suggest reliable technical solutions.

During the design phase, I lead developers, provide technical expertise, and review features.

I am also responsible for improving quality, tooling, and best practices during the development, deployment, and release processes.

- java
- SpringBoot
- microservices
- openshift
- architecture
- solution design
- openapi
- flowable
- jwt
- unit testing
- integration testing

Android Mobile Developer

Nov 2025 — Dec 2025

SFEIR - STATEC · Luxembourg

Sfeir consultant for STATEC - Development of an offline engine based on SQLite for an Android application built with Capacitor

- Android
- capacitor
- SQLite
- Typescript
- hybride mobile

Tech lead

Feb 2025 — Sep 2025

SFEIR - Société Générale · Belval, Luxembourg

As a Sfeir consultant, I am Tech Lead / Developer / Architect in the Regulatory team for Luxembourg.

Regulatory topics are mainly reporting on EMIR, MIFID, Loi du 25 mars.

My role is to improve efficiency and code quality in the team of 4 developers.

Meanwhile, the target is the modernization of several apps to Kubernetes/Cloud/API.

- java
- SpringBoot
- jwt
- reactive programming
- openapi
- unit testing
- integration testing

Senior Software Developer

Jul 2024 — Dec 2024

SFEIR - Temenos · Bertrange, Luxembourg

As a senior developer, my mission for Sfeir is to help create a data platform on top of the existing Multifonds Temenos data system, to provide custom portals.

- java

- SpringBoot
- keycloak
- jwt
- jsonApi
- jsonSchema
- unit testing
- integration testing

Architect, Expert leader

Feb 2023 — Jun 2024

SFEIR - Foyer · Leudelange, Luxembourg

I joined the MEO architecture team to improve quality, architecture and processes around software production inside Foyer Group.

A lot of interesting challenges here!

- AWS
- SpringBoot
- scala
- CI/CD
- Kubernetes
- argoCD
- JWT

Senior Software Developer

Jan 2021 — Oct 2021

SFEIR - Luxembourg Stock Exchange · Luxembourg

Part-time between LuxSE and Fundsquare (for Sfeir)

The goal is to develop a new common set of tools.

These services are shared by LuxSE and Fundsquare.

Hosted in Azure, relying on Spring - Kafka - Mongo, I'm in charge of the development of several services.

FTP connector, API Catalog are the first services of this platform.

- Spring
- Kafka
- Mongo
- Azure
- Openshift

Engineer manager

Jan 2018 — Dec 2024

SFEIR · Luxembourg

Managing a team of 10 collaborators, in charge of career follow-up, training, missions and clients, participating in Luxembourg agency decisions.

- follow up
- career
- HR
- formation

Fullstack software engineer

Aug 2017 — Present

SFEIR · Luxembourg

Consultant in software development and architecture

- java
- SpringBoot
- Kafka
- Cloud

- Android Mobile

Ingenieur développement fullstack

Aug 2017 — Feb 2023

SFEIR - Fundsquare · Luxembourg

As a senior developer, I mostly manage the collection platform to get data, processing, wrangling, cleansing. Main collected data are Priips EPT, Mifid EMT, EET, ...

As a tech lead, I coordinate teams, draft architecture, and organize activities with all stakeholders to reach a stable and technically viable solution, matching the target vision.

I design and develop most of the patterns like data layers, orchestration, choreography, distributed transactions, event-driven communication, business monitoring, contract specifications with JSON schema, code generators for deployable microservices and for API clients, DevOps tooling scripts for local development, delivery and troubleshooting.

The stack is composed of several layers around these main technologies:

- SpringBoot, Camunda BPM, Kafka, Trifacta, Camel, MsSql, Mongo, Elasticsearch, Kubernetes, AKS, ESB, Openshift, React, GraphQL, Node.js

We are working in collaboration with Bourse du Luxembourg architecture team to evolve to a modern solution, cloud-native in Azure.

Over 5 years, we completely moved from legacy tomcat+mssql+esb to distributed event-driven microservices+mongo+kafka cloud native.

Since Fundsquare's acquisition by Fe Fundinfo, the short-term target is to move completely cloud native, and integrate their platform.

- SpringBoot
- Camunda BPM
- Kafka
- Trifacta
- Camel
- MsSql
- Mongo
- Elasticsearch
- Kubernetes
- AKS
- Azure
- ESB
- Openshift
- React
- GraphQL
- NodeJs

Fullstack software engineer

Jun 2017 — Aug 2017

SOGETI Luxembourg - European Parliament · Bertrange, Luxembourg

Conversion tool for European Parliament.

This MS Word to XML engine is used in production to produce XML documents compliant with rules provided by EP.

I built the engine core at the project startup.

During these 3 months, I elevated the project to a higher level in terms of readability, testing, maintenance, new

format support.

Quality improvement, testing support, improved rules engine, rewrite rules and transformers for the 2 main formats.

Java, Spring, Eclipse, XML, AkomaNtoso, XSD, DTD, Jira

- Java
- Spring
- Eclipse
- Xml
- AkomaNtoso
- Xsd
- Dtd
- Jira

Fullstack software engineer

Jan 2017 — Jun 2017

SOGETI Luxembourg - European Parliament · Luxembourg

at European Parliament, DAS Unit (Translation)

Restart a collaborative platform from scratch.

Complete technology migration from SharePoint to Java/Angular.

The first steps should lay the foundation for a fully extensible collaborative system, strongly relying on business data.

- JHipster
- Spring Boot
- ElasticSeach
- Angular
- Bootstrap
- webpack
- grunt
- nodejs
- jdk7
- tomcat7

Fullstack software engineer

Jun 2016 — Dec 2016

SOGETI Luxembourg - European Parliament · Luxembourg

at European Parliament, DAS Unit (Translation)

SPA+ : Participate in service-oriented architecture; Build and configure a router/proxy.

Socrates : Building a REST-based event manager to complete the suite of tools

- Spring Boot
- Spring Cloud
- microservices architecture
- angular
- bootstrap
- bower
- grunt
- jpa
- Oracle
- tomcat
- java8

Fullstack software engineer

Jan 2016 — Jun 2016

SOGETI Luxembourg - European Parliament · Bertrange, Luxembourg

at European Parliament, DAS Unit (Translation)

Sirius : Search engine - Architect, technical analyst, development, web integration, testing, deployments.
Implement a solution based on Elasticsearch for millions of documents in multilingual and translation context. Web application in SPA architecture, responsive and REST oriented.

- Elasticsearch
- Spring Data
- Java
- Backbone
- Marionette
- Bootstrap
- Grunt
- Maven
- REST
- json

Web/Java developer

Oct 2014 — Dec 2015

SOGETI Luxembourg - European Parliament · Luxembourg

at European Parliament, DAS Unit (Translation)

Fluid+ : Join a team to complete a web application dedicated to contract management for Translation Units.
Support for teams on Sencha ExtJs.

UX advisor for the unit.

- Scrum
- Spring
- Java
- ExtJs
- Maven

IT Consultant

Mar 2014 — Sep 2014

SOGETI Luxembourg - BNL - Bibliothèque Nationale du Luxembourg · Luxembourg

at BNL - Bibliothèque Nationale du Luxembourg

Solr study for a high-performance search engine for eluxemburgensia.lu.

Research, investigate, test and develop prototypes with Solr.

Strong integration with existing tool A-Z.lu and viewer eluxemburgensia.lu.

Scalability and performance issues.

Prototype development with SolrCloud.

- SolrCloud
- ZooKeeper
- Vagrant
- Python

Android Mobile Developer

Oct 2013 — Mar 2014

SOGETI Luxembourg - STATEC · Luxembourg

Development of an Android app to perform price collection for STATEC (statec.lu).

Backend services development (Java, Spring MVC)

Android SDK 4.ADT, AndroidStudio, Gradle, Volley, AndroidPlot, GreenDAO
Eclipse, Spring MVC, Apache Commons, REST, XML

- ADT
- AndroidStudio
- Gradle
- Volley
- AndroidPlot
- GreenDAO
- Eclipse
- Spring MVC
- Apache Commons
- Rest
- XML

Mobile developer - iOS

Jun 2013 — Jul 2013

SOGETI Luxembourg - Editus Luxembourg · Bertrange, Luxembourg

for Editus Luxembourg,

For the iPhone/iPad app habiter.lu, API development with RestKit.
Mockup with Node.js and Express.

- iOS
- RestKit
- NodeJs
- Express

Développeur - architecte Web/Java

Mar 2013 — Jun 2013

SOGETI Luxembourg - BNL - Bibliothèque nationale du Luxembourg · Luxembourg

at BNL - Bibliothèque nationale du Luxembourg

Update of the eLuxemburgensia project.
ExtJs 4.2 support
Build process with Sencha Cmd.
Theme redesign in SASS.
Repository decoupling for performance improvement.
Book support.
Cache architecture review.

- ExtJs
- java

Web/Java developer

Nov 2012 — Feb 2013

SOGETI Luxembourg - Société Générale Bank & Trust · Luxembourg / Monaco

at Société Générale Bank & Trust

Based on Documentum, we develop a web application to manage PDFs using business workflows.
Thanks to PDFBox, I managed PDF editing.
I made the complex web interface with jQueryUI and other jQuery plugins.

Development of a document management tool.
Based on Documentum, the Web application allows managing PDF document workflows.
Interface design with jQueryUI.
PDF editing/manipulation with PDFBox.

- java
- jQuery

- jQueryUI
- pdfBox
- Documentum

Web/Java developer

Jan 2012 — May 2012

SOGETI Luxembourg - BNL - Bibliothèque nationale du Luxembourg · Bertrange, Luxembourg

at BNL - Bibliothèque nationale du Luxembourg

Add some new features on the Web Media Viewer used in eluxemburgensia.lu

Software engineer

Nov 2011 — Dec 2011

SOGETI Luxembourg - BNL - Bibliothèque nationale du Luxembourg · luxembourg

at BNL - Bibliothèque nationale du Luxembourg

for LNB - Latvia library

Publish a media viewer, developed previously, as an open-source project.

Removed proprietary dependencies and created a free mode instead.

Gave the application a high level of loose coupling and the capability to be well integrated in other systems.

<http://sourceforge.net/projects/bnlviewer/>

The project is now used in <http://www.periodika.lv>

- opensource forks

Consultant

May 2010 — Dec 2011

SOGETI Luxembourg - European Parliament · Luxembourg

at European Parliament - Web Application development

e-dictionaries is a web tool to distribute and launch dictionaries (web or local) according to the applicable licenses.

Users could easily manage their favorite dictionaries on their portal.

Administration includes license management, statistics reports, graphical overview of expiration and quota exceeded.

Used by all translators for their day-to-day translations.

- Java
- Spring
- Hibernate
- jQueryUI
- Virtualization system (AppV,SCCM,...)
- Oracle
- AD/LDAP
- JavaWebStart

Software engineer

Aug 2009 — May 2010

SOGETI Luxembourg - BNL - Bibliothèque nationale du Luxembourg · Bertrange, Luxembourg

at BNL - Bibliothèque nationale du Luxembourg

Creation and integration of a new Web client (ExtJs/Java) to consult newspapers and books online.

Mets/alto standards. Full Web2.0 application.

- ExtJs
- Java

- xml
- ALTO
- Mets

Senior Software Engineer - J2EE, XML, DMS/CMS, ExtJs specialist

Sep 2007 — Jul 2009

SOGETI Luxembourg - European Parliament · Bertrange, Luxembourg

at European Parliament:

- Study and support for a workflow engine adoption: Bonita
- Workflow integration in a SOA approach
- XML, XSL support to project teams
- Jahia support (use, custom development, bugfix, ...) to project teams
- Studies on different Document Management systems
- J2EE projects development

- SOA
- java
- J2EE
- XSL
- xml
- Bonita workflow
- Jahia

IT architect

Sep 2006 — Aug 2007

SOGETI Luxembourg - European Court of Justice · Bertrange, Luxembourg

Client : European Court of Justice.

Creation of an architecture team in charge of competitive intelligence and installation of a new homogeneous development environment (technologies, tools, testing, ergonomics).

- jsf
- ejb
- toplink orm
- Jdeveloper
- xml

Software analyst developer

Jan 2006 — Aug 2007

SOGETI Luxembourg - European Court of Justice · Bertrange, Luxembourg

Client : European Court of Justice.

Main developer on an Intranet system: the first application hosted by this new system is a research tool that enables merging and abstracting all different sources of data.

- Java
- XSL
- Ajax
- XML
- Oracle10g xmlDB
- OracleText contextual search

Software analyst developer

Jan 2006 — Feb 2006

SOGETI Luxembourg - European Court of Justice · Bertrange, Luxembourg

Client : European Court of Justice.

Main developer on a search engine dedicated to Canevas enabling searching and inserting references in 20 different languages.

J2EE Web application using Struts, JSP, authentication against LDAP AD/OID, Oracle database, use of ICU to help international translation and string manipulation

- Word
- VB
- VBA
- icu
- java
- jsp
- OIDC
- ldap

Software analyst developer

Aug 2005 — Feb 2006

SOGETI Luxembourg - European Court of Justice · Bertrange, Luxembourg

Client : European Court of Justice.

Analyst and developer for a project managing all the decisions taken during hearings concerning the different cases.

J2EE Web application using Struts, JSP and business taglibs, authentication against LDAP AD/OID, Oracle database and XML serialization

- Word
- VB
- VBA
- icu
- java
- jsp
- OIDC
- ldap

Software analyst developer

Sep 2001 — Sep 2004

SOGETI Luxembourg - European Court of Justice · Bertrange, Luxembourg

Client : European Court of Justice.

Main developer / analyst on a project named Canevas.

It's a multi-tier office application for judicial document creation.

- VB
- Word VBA
- Servlets Java
- XML
- XSL
- WordML
- Oracle10g database

Project manager

Sep 2000 — Sep 2001

Quaternove

THALES e-Transactions delivers printers inside kiosks for ticket delivery in airports and train stations. This project was aimed at providing a few prototypes of these machines and moving to the production line with all necessary certificates.

- Electronic and mechanical development
- Production management
- Suppliers management
- Computer system (VB, serial communication) to control different printers for various tests in order to obtain certificates.
- VB
- industrial prototyping
- Suppliers management

Education and training

Ecole nationale d'Ingénieurs de Metz

Dec 1995 — Dec 2000

Engineer degree — Generalist engineer, mechanics specialty

Language skills

Digital skills

Job-related skills

- Frontend: HTML / JSX, SCSS / CSS / Styled Components / Material, Javascript / Typescript, React, Angular, VueJs, Sencha ExtJs, Backbone.js, Webpack, Redux, Chrome Extensions, GruntJS, GreaseMonkey, Figma
- Backend: Node, Java, Spring, SpringBoot, Solr, ElasticSearch, Python, Kotlin, scala, Postgres, Redis, Serverless, Keycloak, Kafka, Microservices, REST, SOA, JHipster, Hibernate, XSL/XSLT, MongoDB, Oracle, PostgreSQL
- Cloud: AWS, Azure / AKS, Google Cloud / GCP, Netlify, kubernetes
- CI/CD: Github actions, argoCD, Jenkins
- Mobile: Flutter, iOS / Swift / ObjectiveC, Android / Kotlin / Jetpack compose / KMP, Ionic Framework, Capacitor, Gradle

Communication skills

Technical presentations, client workshops, mentoring developers, and cross-cultural collaboration in European institutions.

Organisational / managerial skills

Engineering manager: team leadership, career follow-up, training and missions for 10+ collaborators; participation in Luxembourg agency decisions at SFEIR.

Driving licence

B

Interests

- Geocaching: gps, treasure hunt
- Sports: Hiking, Tennis, Handball
- Music: Guitar, Piano

Projects

Scora

Dec 2022 — Present

<http://scorawatch.com>

Tennis scoreboard app for WearOS watch
It helps you to count score during your tennis match.

Website: <http://scorawatch.com>

Published on Google play Store : <https://play.google.com/store/apps/details?id=fr.geoking.tennis.scoreboard.wear>

- Side project in production
- KMP emergent technology

Gorilla

Oct 2023 — Apr 2024

<https://github.com/ludoo0d0a/gorilla>

JS framework to automate task in Web

GCWizard

Mar 2021 — Aug 2022

<https://gcwizard.net/>

This mobile app contains numerous offline tools, tables and calculators to support the active geocacher in the field or at home in solving puzzles or calculations.

Available for iOS, Android and Web.

- Joined the team composed of great german guys
- Improved search engine
- Initiate translation engine and translators community and tools - Thanks crowdin
- Steganography module

Npm/nodejs library for Backbone et Passport authentication

Sep 2015 — Sep 2015

<https://www.npmjs.com/~ludoo>

Development and distribution on npmjs and github of NodeJs components.\n- backgrid (grid / backbone):
CommonJs compatible fork.\n- Passport.js strategy for geocaching\n- Geocaching NodeJs API

- javascript
- oauth2
- npm
- nodejs
- backbone

Geocaching Tools

Mar 2014 — Mar 2020

<http://www.geoking.fr>

Site Web contenant des outils online pour la communauté geocaching.

pitaso.com devenu maintenant geoking.fr

- Logbook creator widely used by community

Rapid platform for iPhone application

Jul 2012 — Present

Rapid platform for iPhone application

Eye Traffic - Lux traffic info

Aug 2010 — Present

<https://chrome.google.com/webstore/detail/kieaniodbboioemmcghcbkfgpmopffdc>

Chrome Extension to monitor traffic info in Luxembourg.

- Agreement from Pont-Et-Chaussee to access their API

Site du club de Handball de Amnéville

Oct 2015 — Aug 2022

<http://www.7amnevillois.fr>

Web site building for the Amnéville handball club.

Promotion of the club, involvement of the committee in this new communication tool, promotion of our teams in N3 and national, news, results and calendars of the different teams

ReaderPlus Chrome extension

Dec 2009 — May 2013

<https://chrome.google.com/webstore/detail/hhcknjkmaaeinhdjgimjnopghgpbdfmg>

Extension Chrome pour Google Reader.

Améliore la navigation et la présentation en ajoutant un thème, des fonctions de partage vers les sites sociaux, un aperçu rapide des articles, des icônes, un filtre, et plus encore....

Jusqu'à 80 000 utilisateurs avant la fermeture de GoogleReader.

Projet transféré à une équipe chinoise.

- HTML5
- CSS3
- Javascript
- Available on Chrome Store
- Over 80000 users
- Post in Lifehacker : <https://lifelhacker.com/reader-plus-is-a-chrome-extension-that-adds-missing-fea-5798022>
- Project sold
- More than 600 issues/requests

Windows8 Application

Sep 2012 — Oct 2012

<http://apps.microsoft.com/windows/fr-be/app/cityreal/8c70e367-e1bd-4890-8519-857389282fe1>

Creation and publication of a Windows 8 mobile application.

Real estate management for a Parisian agency

- HTML5
- CSS3
- Javascript
- WebJs
- Visual Studio

Facelift site d'annonces immobilières

Jun 2012 — Jun 2012

<http://habiter.lu>

Facelift and addition of multiple features to Habiter.lu website dedicated to real estate listings for Editus.

- PHP
- HTML
- CSS

Publications

Scora

Tennis scoreboard for watch on Google Android WearOS

<https://play.google.com/store/apps/details?id=fr.geoking.tennis.scoreboard.wear>

2024-09-03

This resume was generated in PDF and HTML in several languages, based on a single JSON file, then auto published on web site.

Resume theme using json-resume format. Translations, PDF, HTML, auto web published on

<https://ludoo0d0a.github.io/resume/>

<https://github.com/ludoo0d0a/resume>

2025-01-03

Theme for resume theme using json-resume format

Resume theme using json-resume format, including i18n

<https://www.npmjs.com/package/jsonresume-theme-ludoo>

2025-01-02

Passport for Geocaching

Geocaching authentication strategy for Passport and Node.js

<https://www.npmjs.com/package/passport-geocaching>

2019-10-09

ReaderPlus Chrome Extension

Chrome extension for Google Reader.

Enhances navigation and presentation by adding a theme, social sharing features, quick article preview, icons, filtering, and more...

Reached 80,000 users before Google Reader shutdown.

Project transferred to a Chinese team.

<https://chrome.google.com/webstore/detail/hhcknjkmaaeinhdjimjnopghpbdgfmq>

2011-10-01

References

Vincent Mellano

I had the chance to work with Ludovic at the European Parliament for about 2 years.

The way he can deliver quality software on a very short time using cutting-edge technologies is very impressive.

His experience and ability to foresee problems at the very first phases of the project helped us a lot while taking decisions.

I would recommend Ludovic to anyone looking for a highly skilled, effective and professional software engineer.

Pierre-antoine Gregoire

Ludovic is a very talented person. He can tackle hard tasks in a short schedule while maintaining the quality of the result. He was an invaluable partner during the time we spent working in the same service of the European parliament, and I can't wait to work with him again in the future years if it is made possible.

In the meantime, I can only recommend him to anybody looking for a capable professional, who doesn't lack neither the ability to learn nor an advanced existing technical knowledge.