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## **SENIOR ANALYST DEVELOPER**

From the beginning of my career, I have been in charge of the analysis and implementation of projects. I was also responsible for choosing the technologies, depending on the project constraints.

I participated in large and small projects. I worked alone as well as part of IT teams, with business analysts and graphic designers. I also coached junior developers and gave lessons on different technologies.

My main interest lies in the technical aspects of computer science. I always work on maintaining my knowledge up-to-date by working on open-source projects, publishing articles or making technical presentations.

# TECHNICAL KNOWLEDGE:

## *Development technologies:*

- Java (JUnit, Hibernate, Spring)
- Apache Kafka
- Flutter + Dart (targeting mobile apps for Android and iOS)
- Javascript / Typescript
- ReactJS
- Progressive Web App - PWA using ReactJS
- Elixir + Phoenix (Web app framework, actor oriented running on Erlang VM)
- Ruby + Ruby on Rails
- C/C++
- GIT, Subversion

## *Database :*

- PostgreSQL
- InfluxDB (time series database)
- MySQL
- Microsoft SQL Server
- Oracle
- IBM DB2

## *Platforms:*

- Windows
- Unix/Linux
- Docker (software containerization platform)
- Apple

# PROFESSIONAL EXPERIENCE:

## *Mid-July 2023 until today:*

Employee at Parkd, company offering a solution for car fleet's parking sessions that are automatically started and stopped.

Backend developer (Java) using SpringBoot, mainly using functional programming style with a library named Vavr. A PostgreSQL database through Hibernate.

The company is using AWS services.

## *May 2023 until mid July 2023*

Employee at Thales Belgium.

Java software engineer.

- improve on a CLI application using SpringBoot/Spring Shell
- contributed to a Java-FX project / SpringBoot
- improve a configuration tool developed in Python

## *Mid-January 2018 until March 2023*

Employee at Upstream, a start-up company developing a new electronic offender monitoring system (a wristwatch, smart watch) applying the scrum process as a lead software engineer. The company also developed a victim protection app for smartphones combined with the watch.

The front-end (monitoring application used by the operators who follow the offenders) is JavaScript/ReactJS. The back-end is Java + Spring-boot + Apache Kafka, using a PostgreSQL database. The project uses GIT (and Gitlab/CI) as source control system. The victim protection app was developed using Flutter/Dart.

Coaching of students doing an internship or their thesis.

Training for the product to US customer.

## *September 2015 until Mid-January 2018:*

Employee at Nephroflow (software company) as a Ruby on Rails developer (implementation of the API server) for a healthcare software. Working remotely, using the Github platform. Integration with external systems (electronic medical record system, dialysis machines, lab system) using Java/Mirth Connect middleware (first release) and Elixir/Phoenix (second release). Data history stored in a time series database (InfluxDB).

Front-end developed using ReactJS and Redux.

## *Mid-April 2010 until September 2015:*

Employee at Schleiper (art material sales company). Team leader, Web developments (Ruby on Rails), legacy site maintenance, integration with legacy system. Using MS-SQL and PostgreSQL database systems.

## *June 2008 until mid-April 2010:*

Employee at Du croire (credit insurance company). Member, as a lead developer, of the Java/Flex team developing the new front-end and back-end application.

### *Mid-June 2006 until June 2008:*

Employee at Experteam, IT consultancy company. Detached at Fortis Bank. Member of the IS Retail team (system team developing applications in Java and C++).

### *January 2005 until mid-June 2006:*

Employee at Steel 24/7, company that developed an e-commerce portal for the steel industry. Member of the team developing the Internet portal, in Java. Team leader for the implementation of message broker written in C++.

### *September 2002 until December 2004:*

Employee at Puilaetco Bankers. Member of the team developing, from scratch in Java, the whole banking system.

### *November 2001 until August 2002:*

Employee at MUMM (Management Unit of the North Sea Mathematical Models). Development, in Java, of the web service that gives an on line access to a scientific database.

### *December 1999 until October 2001:*

Researcher at the Polytechnic University of Mons. Creation and presentation of the practical exercises (C++/STL, Java, XML/XSL), follow up of some end of studies works.

### *January 1997 until November 1999:*

Employee at Endless S.A. a multimedia software company. Development of several multimedia projects (CD-Rom in C/C++ or specific tools; sites using Java and HTML).

### *January 1995 until December 1996:*

Employee at PGP, a software company developing medical lab workstations software. Member of the team developing a new version, on Windows, of the workstation software (C++).

### *May 1993 until December 1994:*

Employee at BIAC a software company developing custom programs. Development of tools and parts of the production management application for a steel factory (Modula-2/C). Development of a C++ framework for the Windows platform.

### *February 1992 until May 1993:*

Civil service at the Brugmann University Hospital in the Cardiac Surgery Department. Development of a medical database software, specific to cardiac surgery (C++).

### *May 1990 until February 1992:*

Employee at BIAC. See previous description for the same project (Modula-2/C).

### *Studies:*

From 1985 until 1990 :  
Graduated as Licencié en INFORMATIQUE (computer scientist), Faculté des Sciences, Université Libre de Bruxelles.

### *Other activities:*

- Open-source contributor  
several projects in Java, for research, tests of new ideas or for improvement of libraries used on other projects.

Here are some examples:

- a GUI frameworks (<https://github.com/codehaus/swiby> started from the Oracle/Sun Java-FX language),
  - the GUI testing tool named Marathon (<http://www.marathontesting.com>),
  - study of the internals of the Rubinius (a Ruby language implementation)
- book reviewer for Manning, publisher of computer books
    - *API Design Patterns* by JJ Geewax
    - *Deep Learning and the Game of Go* by Max Pumperla, Kevin Ferguson
    - *D3.js in Action* by Elijah Meeks
    - *The Well-Grounded Rubyist, Second Edition* by David A. Black
    - *The Joy of Clojure, Second Edition* by Michael Fogus and Chris Houser
    - *Learn Rust in a Month of Lunches (v10)* by David Macleod
    - 2 Rust related books still ongoing projects
  - book review for Packt publisher
    - *PostgreSQL Developer's Guide* by Ibrar Ahmed, Asif Fayyaz, Amjad Shahzad
  - my projects on Github (<https://github.com/jeanlazarou>)
  - list of technical articles and books on my LinkedIn profile (<https://www.linkedin.com/in/jlazarou>)
  - one of books ported to educative.io (<https://www.educative.io/courses/learning-to-program-in-ruby>)
  - I worked on projects as a consultant (Visual Basic, C++, Ruby and Java).

### *Spoken and written languages:*

- French and Greek mother languages,
- Good knowledge of English,
- Average knowledge of Dutch.

### *Personal Data:*

- Born on the 15th of April 1965 at Saint-Josse-Ten-Noode (Brussels), married (one child), Belgian.