

Software developer, ML/AI Novice

Professional experiences

Facilité - CGI (feb 2017 - now)

Feb 2017 - now **Full stack software engineer**, National Bank of Canada.
Development of Spring boot based microservices.
Development of GraphQL queries.
Development React.
Microservice, REST, Spring boot, Openshift, MongoDB, GraphQL, Swagger, Docker, ReactJS, Redux.

Neopixl a Smile group company (sept. 2015 - dec. 2016)

June 2016 - **Mobile developer**.
Sept. 2016 Development of an Android application for tablets for Total ACS.
Manage new commands directly on races et support of offline mode.
Android, CouchDB(couchbase-lite android), Git, Sourcetree, Android studio.

Since dec. 2015 **Frontend developer**.
Development of the web application Living In Place for Tarkett.
Development of the backend. Development of the Android application.
Rework of the Angular application Care.
AngularJS, Grunt, Bower, Bootstrap, Spring boot, DynamoDB, Android, Apiary, REST, Git, Sourcetree, Android studio.

Apr. 2016 **Developer**.
Documentation of a procedure to migrate a Parse application to a self hosted parse server.
Development of a node module to migrate files.
Parse server, MongoDB, node.js.

Since sept. 2015 **Backend & Frontend developer**.
Development of a monitoring solution for Tango REST API.
AngularJS, JHipster, Spring-boot, ChartJS, REST, Git, Sourcetree.

Frontend developer.
Development of a web application for CMG interacting with a Parse application.
Meteor, Parse, REST, Bootstrap, Git, confluence.

Backend & Frontend developer.
Maintenance of an inhouse application PushPixl managing push notifications.
AngularJS, Spring-boot, REST, Git, confluence.

Champ Cargosystems (july 2014 - aug. 2015)

July 2014 - Aug. **Software engineer**, Open cargo platform.
2015 Development of a software platform.
Development of an indexing solution inspired from spring-data.
Development of the UI Framework.
CQRS, Event Driven Programming, Apache Karaf, Vaadin, Elasticsearch, OSGi, Git, Sourcetree, Jira, Scrum, sonar, confluence.

Cetrel Securities (sept. 2013 - june 2014)

Sept. 2013 - **Team leader (10 mois).**

- Development of a GWT application managing the validation of reference prices for financial assets based on the data of several providers (SIX Telekurs, Reuters, Bloomberg).
- Export of SIX Telekurs's data.
- Development of a GWT application managing access rights for several Cetrel Securities's products.
- Development of generic tools for import/export of data.
- As technical officer, monitoring technological developments and setting up a software industrialisation platform.

Apache Tomcat 6, GWT 2, Spring, Spring-security, Spring-web-service, SOAP Web services, jOOQ, HTML, CSS, Twitter Bootstrap, Web services sécurisés (SSL), Args4J, Oracle 11, PL/SQL, JUnit, dbUnit, Mockito, Subversion.

CTG Luxembourg PSF (sept. 2008 - aug. 2013)

April 2013 - **Team leader (5 months)**, Administration des contributions directes au Luxembourg, Direch.

Aug. 2013 Development of a web application used by companies to make their tax declarations.

Websphere 7 & RAD7.5, SOAP Web services, Struts 2, JPA, HTML, CSS, Twitter Bootstrap, Javascript, JQuery, IBM DB2, Git.

June 2012 - **Software architect (4 months)**, CTIE.

Sept. 2012 Architecture of a generic web solution used as standards for future CTIE's projects :

- Functional tests based on Arquillian
- Generic validation layer based on JSR303 (Hibernate validator)
- API simplifying the creation of dynamic JPQL queries
- API for Office (docx & xlsx) documents generation

Struts 2, Arquillian, JUnit, DBUnit, JPA, Apache POI, Hudson, Sonar, Maven 2, Git.

May 2012 **Software engineer (1 week)**, internal project, IDC Timer.

Analyse, development, tests and deployment of a solution registering the duration of calls of helpdesk agents.

HTML5, CSS3, Javascript, Node.js, MongoDB, architecture REST, JQuery, JQuery UI, Mustache, Git.

April 2012 **Software engineer (4 weeks)**, internal project, Connect to grow.

During the recruitment campaign of CTG, development of a web site collecting data from different social networks **Twitter, Facebook & LinkedIn.**

JQuery mobile, JSONP, HTML, CSS, Javascript, JQuery, Git.

Oct. 2011 - **Software engineer (9 months)**, internal project, Psymap.

June. 2012 Development of a web application managing the customer relationship based on the MBTI's methodology.

C#, .Net, MVC, Razor, IIS, Enterprise Library, Visual studio, HTML, CSS, Javascript, JQuery, Foundation, SQL Server, Team Foundation Server.

Oct. 2011 - Feb. **Software engineer (5 months)**, Ministry of foreign affairs in Luxembourg, Aeimm.

2012 Maintenance and development of new functionalities of an application managing resident's permits.

Websphere 7. & RAD7.5, SOAP Web services, Struts 2, JPA, HTML, CSS, Javascript, JQuery, IBM DB2, SVN.

Sept. 2008 - **Software engineer (3 years)**, Ministry of justice in Luxembourg, Jucha.

sept. 2011 Development of an application managing lawsuits and police records. Interconnection with the european police records network.

- Technical analysis
- Client development (SWT, Jgoodies, architecture HMVC).
- Development of a document generation system based on RTF.
- Unit tests, Packaging and deployment
- Environment : 3 analysts, 9 developers & 3 testers.
- Maintenance of the application, debugging and migration from RAD7.0 to RAD7.5 and from EJB2 to EJB3. Use of JPA for the persistence layer.

EJB 3.0, JPA (OpenJPA), Java 6.0, java web start, Websphere 6.0 & 7.0, RAD7.5, JAX-WS, JUnit, Eclipse 3.4, OSGi, SWT, Freemarker, TDD, Scrum, IBM DB2, Maven 2, SVN, iText (PDF generation)

Infass Systèmes (nov. 2004 - sept. 2008)

Nov. 2004 - sept. 2008 **Software engineer (4 years)**, Montgeron (Essone).
 Development of a J2EE platform and several software packages.
 Development of software packages for customers in the domain of insurance (Siaci), transport (Les Nouveaux Coursiers) & temporary work (Bref Services).
 System developments (user interface, persistence, administration tools) and business developments (reporting).
 Development of a scheduled tasks system.
 Maintenance and follow-up of customers demands and problems.
J2EE (EJB 2), JOnAS, DB2, Swing, JUnit, Java web start, Xslt, Apache Fop, Apache Ant, CVS.

Technologies

Languages	Java / J2EE(EJB 3) , Groovy, Scala, Javascript, Html, Css, C#, SQL, PL/SQL, Bash, XML, Python, Ada, Latex.
Server	Glassfish, IBM Websphere 6.0 & 7.0, Tomcat, Apache Karaf, JOnAS.
Database	Oracle database 11, PostgreSQL, IBM DB2v9 , Elasticsearch, SQL Server, MongoDB, Derby, MySQL.
Framework, API	Angular, GWT 2.5.1, Grails, Play !, Node.js, Vaadin, JPA, Spring, Spring security, Spring Web Service , JUnit, Mockito, dbUnit, OSGi, Google Guava, jOOQ, Bean Validation JSR303, Args4J, Twitter Bootstrap, Foundation.
IDE & Tools	Eclipse, IntelliJ IDEA , Netbeans, IBM RAD 7.5, Visual Studio, Maven 2 , Ant, JProfiler, Jenkins (Hudson), Sonar , Gimp, ArgoUML, Jira, Confluence, SourceTree.
Patterns	CQRS, Event Driven Programming.
Versioning	Git, Subversion , CVS, TFS.
OS	Unix / Linux (Ubuntu 8.10, Fedora 6, FreeBSD, Red hat enterprise, Mandrake) , Mac OS X, Windows (XP, Vista, 7).

Languages

French	mother tongue.
English	read, written, spoken (TOEIC : 805 in 2003), 30 hours of english talks in 2010.
German	Beginner.

Education

2001–2004	Master's degree in Computer sciences, Telecommunications and network., INSA , Toulouse.
1999–2001	Two-year highly selective classes to prepare for the competitive exams to the "Grandes Ecoles" , <i>Lycées Clémenceau/Roosevelt</i> , Reims.

Certifications

2017	Structuring Machine Learning Projects , Coursera, <i>deeplearning.ai</i> , by Andrew Ng, Certificate .
2017	Improving Deep Neural Networks : Hyperparameter tuning, Regularization and Optimization , Coursera, <i>deeplearning.ai</i> , by Andrew Ng, Certificate .
2017	Neural Networks and Deep Learning , Coursera, <i>deeplearning.ai</i> , by Andrew Ng, Certificate .
2014	Scrum master , <i>ScrumAlliance</i> , Certificate .
2013	Functional Programming Principles in Scala , <i>sur Coursera.org</i> , Certificate .
2013	3 days "Develop with PL/SQL" , <i>organized by Orsys</i> .
2011	2 days "Introduction to bank and investment funds" , <i>organized by Get Training</i> .
2011	3 days "Dojo Toolkit, Ajax/RIA applications in JavaScript" , <i>organized by Orsys</i> .
2009 & 2010	Devovx , <i>3 days of conference</i> , www.devovx.com .
Since 2010	Yajug , www.yajug.org .

Personal projects

https://bitbucket.org/alexis_paris .

- Linkguardian **In progress. manage bookmarks** and share links on twitter. Hosted on linkguardian.io
(2016) *AngularJS, Jhipster, material design, Bootstrap, Spring (batch, data), Google cloud function, liquibase, Nginx, DevOps, nightwatch, CSS3, PostgreSQL, Git, VPS.*
- G7 (2012) www.blackdog-project.org/g7 : **Google Calendar Extended Tools** : web application providing additional tools to your google's calendars.
HTML5 (local storage), CSS3, JQuery, JQueryUI, Google Javascript APIs, Kendo UI, 960 grid, OAuth, Git.
- Personal website www.blackdog-project.org.
HTML5, Javascript, CSS3, JQuery, Knockout.
- Blackdog (2008) <http://blackdog.blackdog-project.org> : Open source lightweight iTunes-like software.
Java 6, Hibernate, Swing, SwingX, JUnit, Subversion, Log4j, Maven 2, SVN.
- Awl (2008) <http://awl.blackdog-project.org> : Open source Java API for the creation of graphical wizards in Swing.

Hobbies

Running, music, do-it-yourself.