

Full stack software developer

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. Tooling Mountebank.
Microservices, REST, Spring boot, Openshift, MongoDB, NodeJS, Express.js, Mountebank, 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 Total ACS.
Manage new commands directly on races et support of offline mode.
Android, CouchDB(couchbase-lite android), Git, Sourcetree, Android studio.

Dec. 2015 - **Frontend developer**.
June 2016 Development of the web application Living In Place for Tarkett.
Development of the backend and 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 stored on Amazon S3.
Parse server, MongoDB, node.js.

Sept. 2015 - **Backend & Frontend developer**.
dec. 2016 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 notifications for smartphones.
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.**
 June 2014 - As technical officer, monitoring technological developments and setting up a software industrialisation platform.
 - 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.
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**, 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**, 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**, 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**, 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**, 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. 2012 **Software engineer**, Ministry of foreign affairs in Luxembourg, Aeimm.
 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**, 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.
 - 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.
 - Setup of continuous integration tools (Hudson, Sonar).
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, SVN, iText (PDF generation)

Infass Systèmes (nov. 2004 - sept. 2008)

Nov. 2004 - sept. 2008 **Software engineer**, 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).
- 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, Javascript, Typescript**, Html, Css, SQL, Bash, Groovy, Python, Scala, C#, PL/SQL, Ada, Latex.
Back-end **Spring, Spring boot, Node.js**, Grails, Play!, OSGi, J2EE, jHipster, **java** (Core, Logging, JPA, jOOQ, Args4j, etc...).
Front-end **Vue.js, ReactJS, Redux**, AngularJS, Meteor, GWT, Struts 2, Spring MVC, JQuery, **Android**.
Databases **PostgreSQL**, Mysql, **MongoDB**, Oracle database 11, IBM DB2v9, Microsoft SQL Server, Apache Derby, CouchDB.
UI **Bootstrap, Foundation, Material design**, Kendo UI, **Responsive design, Sass**.
Quality **JUnit, Mockito**, DbUnit, XmlUnit, Sonar, Jest, **Selenium, Nightwatch.js**, Arquillian.
Devops **Microservices, Docker**, Kubernetes, **Google cloud function**, Tomcat, Glassfish, IBM Websphere 6.0 & 7.0, Apache Karaf, JOnAS, Nginx.
IDE **IntelliJ IDEA, Webstorm**, Visual Studio, Eclipse, Sublime text, Netbeans, IBM RAD.
Versioning **Git**, Subversion, CVS, TFS.
Operating systems **Mac OS, Unix / Linux** (Ubuntu, Fedora, FreeBSD, Red hat enterprise, ..), Windows.
Tools **Jira, Sourcetree, Confluence, Npm, Maven**, Grunt, Bower, Webpack, Ant, JProfiler, **Jenkins** (Hudson), Elasticsearch, **GraphQL**, Gimp, ArgoUML.

Languages

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

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"**, *Lycées Clémenceau/Roosevelt*, Reims.

Certifications

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

Personal projects

https://bitbucket.org/alexis_paris .

- Linkguardian **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.*
- Blackdog (2008) Open source lightweight iTunes-like software.
Java 6, Hibernate, Swing, SwingX, JUnit, Subversion, Log4j, Maven 2, SVN.
- Awl (2008) Open source Java API for the creation of graphical wizards in Swing.

Hobbies

Sport