

## Professional experiences

### BNC (apr 2021 - now)

Apr 2021 - now **"Concepteur" - Applications architect**, "Studio numérique".  
Development of a CI/CD pipeline based on Github Actions.  
Development of a self-service microservices generator.  
Support for developers.  
*GitHub (Actions & REST API), k8s, Helm, Openshift, AWS, Docker, Kotlin, Spring boot & WebFlux, Typescript, React.*

### Intact lab (jan 2019 - mar. 2021)

Jan 2019 - mar. 2021 **Principal developer**, Client centre.  
Restructuring of Spring-boot / Node microservices, custom Jenkins pipeline.  
Suggestions and setup of technologies / methodologies (Typescript, Kotlin, test) and tools to help developers and testers do their day-to-day job (mock-server).  
Intact Lab price of innovation 2020.  
*Spring boot, NodeJS, ExpressJS, Openshift, MongoDB, Redis, Mountebank, GraphQL, Open-api, Kotlin, Typescript, Jenkins, Docker.*

Mar. 2019 - apr. 2019 **Principal developer**, Rapid prototyping.  
Quick quote widget : Quarkus microservice.  
*Quarkus, Eclipse MicroProfile, Kotlin, REST, Apiary.*

### Facilité - CGI (feb 2017 - jan. 2019)

Feb 2017 - jan 2019 **Full stack software engineer**, National Bank of Canada.  
Development of Spring boot based microservices.  
Tooling Mountebank.  
*Spring boot, Openshift, MongoDB, NodeJS, ExpressJS, Mountebank, GraphQL, Swagger, Docker, ReactJS, Redux.*

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

June 2016 - Sept. 2016 **Mobile developer**.  
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 - June 2016 **Frontend developer**.  
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. 2015 **Software engineer**, Open cargo platform.  
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 securisés (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 - June. 2012 **Software engineer**, internal project, Psymap.  
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 - sept. 2011 **Software engineer**, Ministry of justice in Luxembourg, Jucha.  
- 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, Kotlin, Javascript, Typescript**, Html, Css, SQL, Bash, Groovy, Python, Scala, C#, PL/SQL, Ada, Latex.
- Back-end **Spring boot, Quarkus, Node.js, Eclipse Microprofile**, 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 **Docker**, Kubernetes, AWS, Helm, **Google cloud function**, Tomcat, Glassfish, Nginx.
- IDE **IntelliJ IDEA, Webstorm**, Visual Studio, Eclipse, Sublime text, Netbeans.
- 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.**

## Trainings & certifications

2020 **KubeCon CloudNativeCon.**

2019 **Dawscon.**

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 **Devoxx, *3 days of conference*, www.devoxx.com.**

Since 2010 **Java User Groups, Yajug and Montreal JUG.**

## Personal projects

[https://bitbucket.org/alexis\\_paris](https://bitbucket.org/alexis_paris) & <https://github.com/alexisparis> .

Linkguardian **Manage bookmarks** and share links on twitter. *AngularJS, Jhipster, material design, Bootstrap, Spring (2016) (batch, data), Google cloud function, liquibase, Nginx, DevOps, nightwatch, CSS3, PostgreSQL, Git, VPS.*

Personal website *HTML5, Javascript, CSS3, JQuery, Knockout.*

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, do-it-yourself