

# Concepteur - Applications architect

## Technologies

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

## Professional experiences

### BNC (apr 2021 - now)

Apr 2021 - now    **"Concepteur" - Applications architect**, "Studio numérique".  
Development of CI/CD pipelines based on Github Actions.  
Development of a self-service microservices generator.  
GitHub.com migration.  
Support for developers.  
*GitHub (Actions, Rest API & CLI), AWS, ArgoCD, k8s, Helm, Openshift, Docker, Vault, Kotlin, Java, Spring boot & WebFlux, Typescript, Node, ExpressJS, React, Bash.*

### 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, units tests) 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 - **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 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 - **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. **Software engineer**, 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**, 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 - **Software engineer**, Montgeron (Essone).  
 sept. 2008 - 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.*

## Languages

- French **Mother tongue.**  
 English **Proficient.**

## Education

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

## Trainings & certifications

- 2022 **AWS Practitioner**, Certificate.
- 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 **Devovx**, *3 days of conference*, www.devovx.be.
- Since 2010 **Java User Groups**, Yajug and Montreal JUG.

## Personal projects

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

## Hobbies

Sport, do-it-yourself