# Nicolas Carlier

Developer junkie, open source enthusiast, data nerd, command line addict... and also a regular man

## About me

age: 37 years old | xp: 13 years XP | company: Worldline | location: Tours, France

I am working at [Worldline](//worldline.com/en-us/home.html) since 2002. Gradually developer, application manager, project manager, lead developer, I am currently a **Software Architect** and member of the corporate **Expert Team**. I am in charge of conception, implementation, quality and technical expertise on major projects.

My work interests are numerous but mostly about:

* **Web** in general but especially about technical aspects such as HTML5, CSS3, WebRTC, Web Component, Multi Device Web Interface.
* **Big Data**, with a focus on scalability and real time. Experimentation around NoSQL technologies.
* **Cloud** technologies. I am a adept of Devops principles, Infrastructure as Code, Continuous Deployment, and relative subjects.
* **Internet of things**. As my day to day work, and also as my hobby, I love prototyping around many kind of connected device.

During my freetime I continue to develop but for **Open Source** projects. I am the project owner of [Nunux Reader](//reader.nunux.org) and [Nunux Keeper](//keeper.nunux.org).

### Find me on...

* [GitHub](//github.com/ncarlier)
* [Twitter](//twitter.com/ncarlier)
* [Linkedin](//www.linkedin.com/profile/view?id=15575472)

## My skills

* Developpment
* Java
* Javascript
* NodeJS
* AngularJS
* ReactJS
* CSS3
* Arduino
* Go
* Devops
* Docker
* Git
* Jenkins
* Ansible
* Databases
* MongoDB
* Redis
* PostgreSQL
* Elasticsearch
* Cassandra
* Couchbase
* Languages
* French
* English

## Experiences

### 2016

* Software Architect of the [Connected Living](//fr.worldline.com/fr-fr/home/solutions/services-mobiles-et-transactionnels/connected-living.html) offer of Worldline *IoT, BigData, Microservice*
* Software Architect of the [R-link](//www.renault.fr/services/prolonger-garantie/extension-vn/systemes-multimedia/r-link/) service of Renault *M2M, Java, Android, Angular*

### 2015

* Cloud Computing and Big Data support at the Software Development Community Office of Worldline *CoreOS, Docker, Packer, Vagrant, Terraform, Cassandra, Spark*
* Software Architect of the overhaul of the Thalys [loyalty website](//www.thalysthecard.com) *Drupal, PHP*

### 2014

* Software Architect of the remotely reloading system of Keolis Rennes transportation cards. *SpringMVC, NFC*
* Development of an augmented reality GPS app during Worldline labs workshops *iPhone, Phonegap, BacboneJS, PostGIS, GeoServer*
* Global Software Architect of the [Universal Tolling Sollution](//vimeo.com/96174615) of Atos Worldine and Siemens *Cassandra, Hazelcast, PostGIS, RabbitMQ, Spring MVC, BackboneJS, ...*

### 2013

* Software Architect of the parking meters management system of Paris *Spring MVC, PostgreSQL, ActiveMQ, BackboneJS*
* Software Architect of the CMMS solution of Atos Worldine *Spring MVC, PostgreSQL, ActiveMQ, BackboneJS*
* Global Software Architect of the PCI-DSS project for the payment card system of the SNCF *PCI-DSS, BigData, Cryptography, Spring Batch*
* Development of an image recognition system during Worldline labs workshops. This work was awarded by the internal innovation contest. *GridGain, Android, Swift algorithms*

### 2012

* Development contributor of the Atos Worldline nextgen software forge *HTML5, CSS3, Javascript, Maven, Nexus, Hudson, JIRA, Spring, RESTHub*
* Project leader of the application management of the [musée du Louvre](//www.louvre.fr) websites *J2EE, PHP, Oracle*

### 2011

* Project leader and Software architect of the [Application de Recensement des Certificats des Equipements Numériques](//www.cnc-arcene.fr) for the CNC *X509, Tapestry, Spring*
* Manager of the local Lab

### 2010

* Development of an AJAX file sharing system during labs workshops *PHP, JSONRPC, JQuery*
* Lead developer of the [loyalty program system](//www.thalysthecard.com) of Thalys *Tomcat, Tapestry, Lutece, Spring*
* Development of an Bookmark sharing system during labs workshops *JPA, DWR, ArchetypeJS, PrototypeJS*

### 2009

* Lead developer of the [fines payment system](//www.contraventions-sncf.fr) of the SNCF *Tapestry, Spring*
* Project leader deputy and lead developer of the [bike rental system](//www.agglo-veloplus.fr) of Orléans, Lille and Bordeaux. *J2EE, JBoss, Jpos, Sybase*

### 2008

* Lead developer of the healt care card management system of the GIP-CPS *J2EE, JBoss, Struts, Hibernate*

### 2007

* Lead developer of the legal archiving system of the GIP-CPS *Java, XML Signature*

### 2006

* Developer of the checks payment management system of the SNCF *J2EE, Sybase*

### 2005

* Application manager of the healt care card managment system of the GIP-CPS *C, ProC, PowerBuilder, Oracle*
* Developer of the card payment system of the SNCF *Java, Sybase*

### 2002

* Developer of the PKI solution *OpenCA, OpenSSL, XML*
* Developer of the training ammunition management system for the Armée de Terre *NatWeb, HTML, Javascript*

### 2000

## Education

**DESS Sécurité des Systèmes d'Information** *Université de Toulon* (2001 - 2002)

**Maîtrise Informatique, Réseaux et Télécommunications** *Université François Rabelais de Tours* (1998 - 2001)

**DEUG Mathématiques et Informatique** *Université François Rabelais de Tours* (1997 - 1998)