

# carl-philipp harmant

software engineer

## about

Chicago, Illinois  
USA

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## languages

english (fluent)  
french (native)

## programming

Java, Android  
C#, LaTeX  
JavaScript, SQL  
HTML, CSS, PHP

## frameworks

Spring, Camel  
RxJava, OSGi  
Play Framework

## tools

Maven, Gradle, Git  
JIRA, Bamboo  
GitHub

## databases

Oracle, MySQL  
MongoDB

## servers

Tomcat, Karaf  
Apache, JBoss

## OS

GNU/Linux, OSX  
Windows

## personal synopsis

Currently working as a software engineer, I am interested in exploring new challenges. I am passionate about developing, configuring and testing software. My preferred programming language is Java, however I am open to learning about or utilizing any programming language. In my free time, I enjoy working on my Android application "Chicago Commutes", a Chicago public transit tracker, as well as publishing some of my source code on GitHub. I'm also a member of the Chicago Java User group.

## experience

2015–Present  
1 year 5 months

**Senior Software Engineer** Peapod Propulsion Labs

Chicago, Illinois, Unites States

Member of the Web Center team, in charge of developing and maintaining several public websites. Some of my daily responsibilities include:

- Collaborating with product owners, business analysts and other team members in a cross-functional Agile environment to produce a content management system that is fully integrated with various loyalty, coupon, and user account systems.
- Developing a Spring MVC proxy application around our ESB to allow OAuth2 protected REST APIs to be used by our websites.
- Developing a modular REST-driven integration API using Apache Camel, Karaf, ActiveMQ and various other libraries.
- Designing and implementing new features using TDD (Test Driven Development).
- Improving software quality, reusability, extensibility and consistency.
- Verifying and validating features via unit testing, integration testing and automated acceptance testing (Serenity BDD).
- Participating in support rotation and troubleshooting production issues to ensure the continued operations of the business.
- Main technologies used : Java, Spring, Apache Camel, OSGi, OAuth2, ActiveMQ.

2012–2015  
3 years 1 month

**Software Consultant** Pros

Chicago, Illinois, Unites States

I was part of the Professional Services team providing expertise to customers related to the Configure/Price/Quote (CPQ) solutions and more specifically involved in the following activities:

- Integrating Pros CPQ solutions in the IT landscape by using web services.
- Interfacing Pros CPQ solutions for data loading purposes.
- Development of additional Java EE plugins to fit specific customer needs.
- Designing the User Interface (HTML based xml files, CSS, Javascript).
- Java-based macrolanguage developing and use of built-in configuration tools.
- Responsible for deploying in our Cloud environment.
- Main technologies used : Java, JavaScript, HTML, CSS, Salesforce.com (Apex, Force.com), Oracle, JBoss, JSON, XML, SOAP.

2011  
6 months

**Java EE Developer** Fujitsu Technology Solutions

Luxembourg City, Luxembourg

Arquillian is a tool, made by JBoss, which allows developers to test the components of their application in a container:

- Made a solution to improve the way to use Arquillian.
- Improved the company test process by the creation of a Maven plugin which generates an Arquillian test class.
- Automated search of dependencies needed for the archive deployed on the server.
- Utilized Maven, JUnit, EJBs, Cobertura, and many other tools and frameworks.

2010  
5 months

### **Analyst Programmer** Sailendra

Nancy, France

Sailendra created a technology of user profiling. That technology creates a profile of each user and predicts their comportments based on their actions and artificial intelligence algorithms.

- Managed a project from initiation to implementation overseeing the planning, functional specifications, technical specifications, development and testing.
- Worked with the client to ascertain and identify their specific requirements.
- Automated search of dependencies needed for the archive deployed on the server.
- Created a Firefox plugin for Salendra technology and learnt new technologies like XUL, Spring, Zope/Plone, DTML or Python.

## personal projects

2014–2017

### **Chicago Commutes** Android Application

Android application that helps commuting in Chicago. CTA (trains/buses) & Divvy (bikes).  
Technology used : Android SDK, XML, JSON, Google APIs, RxJava, Realm.

Source: <https://github.com/carlphilipp/chicago-commutes>

Download: <https://play.google.com/store/apps/details?id=fr.cph.chicago>

2013–2017

### **Stock Tracker** Website & Android Application

Website and Android application that helps following your stock performance.

Technology used: Java, Android SDK, JSON, YQL (Yahoo Query Language), JSP, JSTL, MyBatis, JUnit, Ant, Cobertura, PMD, Checkstyle, Quartz, JQuery, flot2, Jasper, Drop-box API, JavaMail, MySQL, Tomcat.

Sources: <https://github.com/carlphilipp/stock-tracker> & <https://github.com/carlphilipp/stock-tracker-android>

2014–2016

### **Be My Chef** RESTful API

Java-based RESTful API with JSON output.

Technology used : Java, Maven, Spring Boot, Jackson, JSON, JUnit, Mockito, Stripe, Mandrill, GeoJSON, Quartz, Findbugs, Jacoco, PMD, MongoDB, JIRA, Git.

Source: <https://github.com/carlphilipp/be-my-chef>

2009–2012

### **Management tool for Hyperiums.com** Website

Alliance management tool to help players gather and analyze data.

Technology used : Java, JSP, JSTL, JQuery, iBATIS, PHP, Wamp, MySQL, Tomcat.

## education

2013

### **Masters** of Software Engineering

Exia.Cesi, Nancy, France

2011

### **Bachelors** of Software Engineering

Exia.Cesi, Nancy, France

## certifications

2015

### **MongoDB for Java Developers** MongoDB University

2013

### **MongoDB for Node.js Developers** MongoDB University

2011

### **OCJP : Oracle Certified Java SE 6 Programmer** Oracle