# carl-philipp harmant
## software engineer

## about
Chicago, Illinois
USA

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in / carlphilipp
/ carlphilipp

## languages
english (fluent)
french (native)

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

## frameworks
Spring, Camel
RxJava, OSGi
Play Framework

## tools
Maven, Gradle, Git
JIRA, Bamboo
GitHub, Docker

## 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 2 months

**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 | **Analyst Programmer**  Sailendra | Nancy, France |

5 months

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.

# personnal projects

**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

**2014–2016**  **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

**2013–2016**  **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, flotr2, Jasper, Dropbox API, JavaMail, MySQL, Tomcat.
Sources: https://github.com/carlphilipp/stock-tracker & https://github.com/carlphilipp/stock-tracker-android

**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 |