

carl-philipp harmant

software engineer

about

Chicago, Illinois
USA

+1 (312) 834 1637

cp.harmant@gmail.com

 / carlphilipp

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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 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