

# Carmen Jiménez Cabezas

Senior Software Engineer

macajc@gmail.com

Latest version at <https://mcjimenez.github.io/resume>

## EXPERIENCE

### TELEFONICA CDO | Senior Software Engineer

April 2018 - Current

**Role:** Senior Software Engineer.

**What I did:** Development of Android modules and libraries both in Java and Kotlin. Developing both the user fronting functionalities (UX) as well as the supporting functionality and some integration tools.

**Keywords:** Android, Java, Kotlin, ReactX, Dagger...

### TOKBOX - CCDO | Profesional Services Engineering

Jul 2015 - Current

**Role:** Senior Software Engineer.

**What I did:** Development of ad hoc solutions for TokBox customers, from requisite capture to pre-production deployment, ensuring the highest possible quality for the developed code. Change management to keep development on time and budget.

Development both for backend (NodeJS, PHP) as well as frontend (Web, iOS, Windows .NET with WPF)

**Keywords:** C#, JavaScript, HTML5, CSS, ObjectiveC, Electron, OpenTok, Swift...

### TELEFONICA R&D | Mozilla - FirefoxOS

Jun 2013 - July 2015

**Role:** Senior Security Software Engineer.

**What I did:** Building Firefox OS. Hacking on the Mozilla platform (AKA Gecko), Apps's WebAPI and permissions, Operator Variant, Vertical Homescreen (frontend and backend), Hello client for FirefoxOS and Desktop.

**Keywords:** C++, JavaScript, HTML5, CSS, shell script, Security.

### TELEFONICA R&D | Mozilla - FirefoxOS

Jun 2012 - Jun 2013

**Role:** Security consultant.

**What I did:** In charge of project code's security audits. Discovering (and sometimes fixing) vulnerabilities on the Firefox/FirefoxOS code.

**Keywords:** C++, JavaScript, Fortify, Security.

### TELEFONICA R&D | Collaborative Security

Oct 2011 - May 2012

**Role:** Software Engineer.

**What I did:** Saqqara (Saqqara-SC) Collaborative module development and quality assurance and integration with Saqqara-SA.

**Keywords:** J2EE, ZeroMQ, MySQL, SIEM, OSSIM, Security.

### TELEFONICA SPAIN | Security in Services

Oct 2009 - Jan 2011

**Role:** Security consultant.

**What I did:** Consulting on the implementation of security architectures for Telefonica Spain's Services. Defining, develop and validation of Security Operating Procedures.

**Keywords:** Solaris, Linux, Windows, Apache, Tomcat, JBoss, DBMS Oracle, MySql, Oracle Weblogic Server,...

## SKILLS

### PROGRAMMING

**Proficiency**

J2EE • Java • JavaScript • ObjectiveC

**Familiarity**

Kotlin • C • C++ • C# • Swift

### WORKED/PLAYED WITH

Android • iOS

PKI • digital signature

cipher algorithms and protocols

Linux • Unix • ShellScript

git • Peer review • Agile

## EDUCATION

### POLYTECHNIC UNIVERSITY OF MADRID

Degree on Computer Science

1999 | median mark 7,64

## AWARDS

Undergraduate Thesis with honors:

'Diseño e implementación de un Sistema de Votación Electrónica Remota'

## PUBLIC SOFTWARE

• iOS OpenTokApp ([link](#)): OpenTok demo application for iOS. My first iOS application, developed by myself from UX designs.

• OpenTokDemo Application ([link](#)): OpenTok Demo Web Application. First application I worked on as part of the TokBox PSE team. Developed by a team of 3 developers in 2 months. [Source code link](#)

• Chart Server  
Standalone server to generate charts based on data sets. Can be customized with ([here](#)) or without ([here](#)) access restrictions  
Developed just for fun  
[Source code link](#)

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## TELEFONICA R&D | Network and Services Security

Apr 2007 – Jun 2009

**Role:** Software Engineer.

**What I did:** Training ATOS ORIGIN group, LDAP for Applications training for Security Strategy and Development Network group. ATICO Development, Infradha development.

**Keywords:** HTML, JavaScript, SunOne Application Server, SunOne Directory Server, Active Directory, Radius, DBMS Oracle, TACACS+.

## LUCENT TECHNOLOGIES |

Ago 2006 – Apr 2007

**Role:** Software Engineer.

**What I did:** Peer review of drivers and self-configuration software for hardware devices and extending the system to allow distributed network configuration for the hardware devices.

**Keywords:** J2EE, C, DBMS Oracle.

## TELEFONICA R&D | Security Management and Access Control

Jan 2006 – Ago 2006

**Role:** Software Engineer.

**What I did:** Assess the maturity and viability of different authentication and identity management technologies to achieve a unique identity for Telefonica customers on all our services.

**Keywords:** Liberty Alliance, HTML, JavaScript, J2EE, SunOne Application Server, Identity.

## TELEFONICA R&D | Cryptography and Digital Identity Services

Apr 2000 – Jun 2006

**Role:** Software Engineer.

**What I did:** Single Sign On based on a certificate stored in a smart card. Digital signature API.

**Keywords:** PKI, J2EE, SunOne WebService, DBMS Oracle, C++, ActiveX, NSPR, NSS, Identity.

## AIRTEL (VODAFONE) | Comisiones project

Dec 1999 – Apr 2000

**Role:** Junior Software Engineer.

**What I did:** Business logic in the application.

**Keywords:** Visual Basic, DBMS Oracle.

## LAST PRESENTATION

• Peer Reviews ([link](#))

Last public presentation for coworkers from other teams in the company

**Objective:** Learn how peer review works and why use it, git.

## OPEN SOURCE

Firefox Browser	Contributor
Firefox OS	Contributor
PassportJS	<a href="#">Yahoo OAuth2</a>

## PERSONAL SKILLS

Easy going • Team player

Loves helping people to improve

Proactive personality • Avid learner

If it can be done I can learn it

## MOTTO

Done is better than perfect, but the goal is perfection.

## INTERESTS

Open Source Software Engineering

The Web, Web APIs, Web Services

Cloud Computing, Distributed Systems,

Security and Cryptography