

Carmen Jiménez Cabezas

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Senior Software Engineer
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EXPERIENCE

TOKBOX | Profesional Services Engineering

Jul 2015 - Current

Role: Senior Software Engineer.

What I did: Development of ad hoc applications for TokBox customers.

- Collect customer requisites, both functional and time restrictions.
- Propose the best fit solution to the customer budget, functional requisites, and time frame.
- Refine the solution with the customer feedback
- Develop the complete solution keeping on the agreed budget and time frame, while ensuring the highest possible quality for the developed code.
- During the development, integrate the customer proposed changes, while keeping the development on track for both budget and time.
- Transfer of the development to the customer at the end of the engagement.

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

TELEFONICA R&D | Mozilla - FirefoxOS

Jun 2013 - July 2015

Role: Senior 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.

TELEFONICA R&D | Mozilla - FirefoxOS

Jun 2012 - Jun 2013

Role: Security consultant.

What I did: In charge of project code's security audits. Some of the discovered vulnerabilities was solved by myself as developer.

Keywords: C++, JavaScript, Fortify.

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, OSSIM.

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, SGBR Oracle, MySql, Oracle Weblogic Server,...

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, SGBR Oracle, TACACS+.

SKILLS

PROGRAMMING

Proficiency

J2EE • Java • JavaScript • ObjectiveC

Familiarity

Kotlin • C • C++

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 | mark 7,64

AWARDS

Undergraduate Thesis with honors:

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

PUBLIC SOFTWARE

•iOS OpenTokApp

OpenTok demo application for iOS.

Developed by myself. It's also my first iOS application.

•OpenTokDemo Application

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.

OpenTokDemo source code

•Chart Server

Standalone server to generate charts based on data sets.

You can find another deployment that use shared secret: Private chart Server
Developed just for fun

Source code

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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, SGBR 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.

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, SGBR Oracle, C++, ActiveX, NSPR, NSS.

AIRTEL (VODAFONE) | Comisiones project

Dec 1999 – Apr 2000

Role: Junior Software Engineer.

What I did: Business logic in the application.

Keywords: Visual Basic, SGBR Oracle.

LAST PRESENTATION

•Peer Reviews

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
	(Apps's WebAPI, Vertical Homescreen, Operator Variant, Firefox OS Hello app,...)
npm	Yahoo oauth2 contribution

PERSONAL SKILLS

Easy going • Team player

Loves helping people to improve

Proactive personality • Avid learner

If it can be done I can learn it

My motto is that done is better than perfect, but perfection is always my goal.

INTERESTS

Open Source Software Engineering

The Web, Web APIs, Web Services

Cloud Computing, Distributed Systems,

Security and Cryptography