Fran Cabrera
Computer Engineer

Francisco José Cabrera Hernández
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About me

I am a passionate computer engineer skilled in solving complex problems, with a strong interest in fast prototyping and interface design. I lead product and software development teams in creating innovative solutions.

Work Experience

Product manager

IBM Quantum

December 2022 - present

I operate at the intersection of business, technology, and user experience, defining, developing, and delivering features and products that meet customer needs while aligning with company goals on the IBM Quantum Platform.

Technical Lead

IBM Quantum

February 2016 - November 2022

I transitioned from a Full-Stack Developer to a Tech Lead role for the Front-End team of IBM Quantum (Quantum Computing), where I played a key role in the design phases of projects. Additionally, I contributed to developing innovative software for other IBM Research initiatives.

Senior software engineer

Dynatech

October 2012 - January 2016

I worked on web application development and design, focusing on innovating and transitioning the South African government to eGovernment solutions. On the front-end, I honed skills in technologies like Google Web Toolkit, JavaScript (jQuery) with AJAX, and CSS (SASS). On the back-end, we utilized TIBCO AMX-BPM, primarily integrating with it using SOAP, as well as leveraging CMIS, Liferay (Portlets), and Cordova for mobile applications. Additionally, I supported the company by addressing technical challenges across various areas.

Software engineer

Novasoft

March 2010 - September 2012

I worked on Platino, an interoperability project for the Government of the Canary Islands, Spain, which provides software as a service (SaaS) solutions for government operations. One of my key achievements was automating the deployment process for all offered services. Additionally, I contributed to the development, implementation, and issue resolution in critical projects, focusing on eGovernment solutions and R&D initiatives.

Education

Master of Computer Science and Engineering
University of La Laguna (2009-2011)

My final career project was a platform called 'Turawet,' which consisted of two web applications: one for creating custom online forms and another for analyzing geolocated data to extract business-specific insights. Additionally, an Android application was developed to download the forms, collect data, and sync it back to the platform for analysis.

- Second best qualifications in 2011 Promotion
- 5th Prize contest "Conocer es valer" for the innovative project "Turawet" (FEULL).

Bachelor of Computer Science and Engineering
University of La Laguna (2006-2009)

I developed and presented an optional final career project using the Django (Python) web framework to create a management system for a children's sports campus, in collaboration with Galotecnica.

- Second best qualifications in 2009 Promotion

Talks

JS Day Canarias
Santa Cruz de Tenerife, 2017

"Un SDK y una API cuánticos"

Librecon
Santiago de Compostela, 2017

"QISKit, a quantum computing tool"

Codemotion
Madrid, 2016

"Un Chip Cuántico, 5 Qubits, la Nube y unas Quantas horas"

TLP Innova
Santa Cruz de Tenerife, 2016

"Quantum Experience"

Courses

Android development (120 hours)
Universitat Politècnica de València (February 2013 - May 2013)

Oracle Administration (20 hours)
University of La Laguna (October 2011)

Workshop on Web Standars, by the W3C
University of La Laguna (November 2009)

English B2 Certificate
Official School of Languages of La Laguna (2004-2007)

Languages

- **Spanish**: Native
- **English**: Full professional proficiency (C1)

Skills, Tools, and Technologies I am Proficient In

React	Node	SQL/NoSQL
VueJS	C/C++	GraphQL
AngularJS	Python	Illustrator
Javascript	GWT	Photoshop
CSS	Django	Figma
Java	SVG	
Android	Bash	

Additional Details

- Finalist at IDEUp Spin 2014 with the project Seiku
- Finalist at Firefox OS contest (October 2013)
- Private tutoring C++ to bachelor's students