


# MARCELA CAÑÓN VARGAS

Systems engineer with +15 years of professional experience implementing software solutions, and a solid background in the application lifecycle management. +10 years as a Java developer for different industries and in the last 5 years as a Project manager / Scrum master with dedicated teams. Strong leadership skills and quick at learning. Professional competencies in teamwork and decision-making.

## Contact Information

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## Education

### MASTER OF SCIENCE IN SYSTEMS ENGINEERING AND COMPUTING

Universidad de Los Andes.  
2007.

### SYSTEMS ENGINEER

Escuela Colombiana de Ingeniería.  
2001.

## Certificates

Scrum Product Owner SPOPC™	Certiprof 2022
OKR Certified OKRCP™	Certiprof 2022
Scrum Master (Update) - SMPC™	Certiprof 2022
SAFe® 5 AGILIST	Scaled Agile 2020
MANAGEMENT 3.0	Management 3.0 2020

## Courses and Seminars

2022

### CodelyTV

Hexagonal architecture  
Domain Driven Design  
SOLID Principles

2020

### Global TI

Kanban

### Tecnológico de Monterrey - Coursera

Fundamentals of data analysis  
for decision making

### Udemy

Spring framework from scratch  
Microservices with Spring Boot  
and Spring Cloud Netflix Eureka  
Jenkins from scratch

2019

### MIT Professional Education

Digital Transformation

2018

### Universidad del Rosario

Seminar Senior  
Management  
Seminar Coaching for  
team work.

2017

### Stefanini Informática y Tecnología

Design Thinking

## Experience

Mar 2021 - Dec 2021

### Project Manager

Colombian Institute of Educational Credit and Technical Studies Abroad "Mariano Ospina Perez"

#### - ICETEX

Manage the assigned projects taking into account the definition of important milestones, monitoring and progress, reporting, risk management.

#### *Interoperability Strategy Project:*

- Manage an agile squad of 5 people, whose goal is to build web services using the Institute's ESB (WSO2).
- Manage and prioritize the product backlog and define the increments of each sprint.
- Provide support in different agile topics.

#### *Virtual Desktop Project:*

- Coordinate a team of 6 people between Microsoft specialists and members of the service desk for the configuration and delivery of Virtual Desktops to employees of the Institute.

#### *Center of Excellence Project:*

- Coordinate a team of 4 people whose objective is to form the center of excellence in automation, through the identification of processes to be automated with RPA technology.

#### *Rules Engine Project:*

- Support the product discovery process and the making of the technical document which is the base for the public bid.

Ene 2018 a Feb 2020

**Deputy Director of Applications Development**

**Colombian Institute for the Evaluation of Education – Icfes**

- Lead a group of up to 50 people with different roles such as project managers, business analysts, developers, technical leads, and software architects whose functions were to develop and maintain the solutions that support the mission of the Institute. Supervision of external teams of quality assurance and testing.
- Ensure good practices in the software development life cycle under the agile Scrum framework.
- Lead the design, development, and deployment of the application “*El Icfes tiene un Preicfes*” in its web version as well as in its mobile version. This free application allowed students to become familiar with the exam in a simple way and generate benefits for more than 510.000 students for the exams Saber Pro, Saber TyT, and Saber 11º.
- Lead the renovation, design, development, and deployment of the Institute's web portal, achieving the unification of existing portals in a single platform that provides an innovative user experience.

Jul 2016 a Ene 2018

**Agile Project Manager**

**Colombian Institute for the Evaluation of Education – Icfes**

- Manage an agile squad of 8 people responsible for the conception, design, development, and implementation of PLEXI, the new platform for electronic assessments.
- Implement an agile mentality in the team through the promotion of good practices, self-organization, continuous improvement and agile principles.
- Remove impediments generated in sprints.
- To be the reference team within the area for new emerging projects.
- With the use of PLEXI, it was possible to go from applying only 1 electronic assessment per year, to apply 15 in the same period.

Ene 2013 a Jun 2016

**Technical Lead / Scrum Master**

**Colombian Institute for the Evaluation of Education – Icfes**

- Coordinate, be a facilitator and coach for an agile team of 3 people, allowing them to apply the principles and practices of the agile scrum framework.
- Lead the planning and development of two modules of the core system PRISMA: Logistics and Provisioning, in which we created algorithms that allowed to decrease response times in critical processes going from 2 weeks to 3 hours.
- Implement user stories of the assigned modules using JEE architecture, Prime faces and Oracle database.
- Managing the versions of the product between development, test and production environments.

Feb 2012 a Dic 2012

**Senior Java Developer**

**Colombian Institute for the Evaluation of Education – Icfes**

- Software developer in projects for the assessment SABER 3º, 5º and 9º. These projects were developed using Java with JEE architecture.
- For the good performance and pro-activity in the Project, an opportunity was obtained for promotion to the position of Technical Leader.

<u>Abr 2010 a Abr 2011</u>	<b>Senior Developer</b> <b>Practta S.A</b> <ul style="list-style-type: none"> <li>• Requirements analysis, development, and customization of the application OpenbravoPOS for Centros de Literatura Cristiana and Almagrario.</li> <li>• Define the architecture of the solution, design, development, and testing of phase 1 of the project Electronic Invoice and Online Payments Project for Acueducto y Alcantarillado de Bogotá.</li> <li>• Develop ABAP reports of the SLCM module (Student Life Cycle Management) SAP-Education project for Compañía de Jesús y Cafam.</li> </ul>
<u>Feb 2009 a Mar 2010</u>	<b>Software Architect</b> <b>Ubiquando</b> <ul style="list-style-type: none"> <li>• Perform architecture work and software development in Java within the CHIP Project (Sistema Consolidador de Hacienda e Información Pública) of the General Accounting Office of the Nation.</li> <li>• Software developer in the project Pollux, a code generation project implemented using Java, Richfaces, PostgreSQL.</li> </ul>
<u>Abr 2008 a Feb 2009</u>	<b>Siebel Consultant</b> <b>Business Customers Solutions</b> <ul style="list-style-type: none"> <li>• Participation in the implementation project of the CRM solution in the Bogotá Telephone Company - ETB during the analysis and design stages, information gathering tasks in sessions with the client.</li> <li>• Participation in design closure in the area of processes and BPM. Project developed in Siebel.</li> </ul>
<u>Oct 2005 a Mar 2008</u>	<b>Senior Java Developer</b> <b>Aplicaciones S.A</b> <ul style="list-style-type: none"> <li>• Participate in different projects as a software developer using J2EE and JEE architecture.  PLUS Project: Customer loyalty system for Bancolombia.  STN-SAN: Transactional and fiduciary business system for Fiduciaria de Occidente.  CRLIB: Cash management system and collections for Liberty Seguros.</li> <li>• Implement unit tests of the assigned projects using JUnit.</li> <li>• Code review sessions in pairs.</li> </ul>
<u>Mar 2005 a Jul 2005</u>	<b>Junior Java Developer</b> <b>EDS Corporation</b>
<u>Oct 2004 a Mar 2005</u>	<b>Junior Java Developer</b> <b>Asesoftware S.A</b>
<u>Abr 2004 a Sep 2004</u>	<b>Junior Java Developer</b> <b>DATUM</b>
<u>Feb 2003 a Ene 2004</u>	<b>Junior Java Developer</b> <b>Unitty - Universal Technology</b>
<u>Jul 2002 a Ene 2003</u>	<b>Junior Developer</b> <b>Flores de los Andes</b>