



**José Miguel Arroyave O.**  
COMPUTER SCIENCE ENGINEER

## Information

civil status: single  
birth date: 15/12/1981  
residence: Guatemala

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## Languages

Spanish (Native)  
English

## Top Skills

BPM software development  
Software development process  
Data Science

### Software Development

Java, .NET, Javascript, Android

### Quality Assurance

TDD, Enzyme, Mocha

### DevOps

CI/CD, Jenkins, GIT



## Brief

I have worked in software development with different tools and various platforms, also have experience in the other areas of the software development cycle and managing of software development teams for projects and products.

## Achievements

- » Managed a 5 people development team.
- » Worked with a team who developed from scratch an ERP, participating in the architecture's design, the coding phase and the implementation.
- » Customized and implemented different BPM systems in companies based in United States and other countries of Central America.

## Experience

### Freelance

#### Software Developer

JAVA JAVASCRIPT ANGULAR REACT.JS NLP NODE.JS OPENCV PYTHON

Jan 2008 – today

- » I worked in different consultancies and developed software for various purposes, from web pages to custom sub systems to support business processes.
- » As personal projects I developed many applications as a proof of concept and others as experiments to evaluate new tools, among them:

Software trends <https://jmarroyave-apps-stackoverflow.herokuapp.com>

JAVA JAVASCRIPT REACT.JS NLP NODE.JS DEVOPS CI/CD SHELL SCRIPTING

MLB ReactJS Test <https://jmarroyave-apps-mlb.herokuapp.com/index.html>

JAVASCRIPT REACT.JS NODE.JS

Kaggle.com: Titanic challenge – 0.78947

MACHINE-LEARNING

Linux from scratch compilation

DEVOPS LINUX

Built a compilation pipeline for Android's ROM for the phone gomobile 950

DEVOPS ANDROID

### Interactúa Móvil

#### Software Developer

JAVA QUEUES PHP

Mar 2011 – Apr 2012 (1 year 2 months)

- » Development of a notification delivery system for users through SMS.

### XumaK

#### Software Developer

JAVA OSGI JSP

Nov 2011 – Jan 2012 (3 months)

- » Development of custom modules for implementations of CMS CQ5.

### Universidad del Valle de Guatemala

#### Professor at the computer science department

Jul 2007 – May 2008 (1 year)

- » Introduction to object oriented programming.
- » Design and construction of compilers.
- » Formal languages and automata theory.

## REDECON

### *Software Developer*

.NET ASP.NET BUSINESS INTELLIGENCE

Sep 2007 - Feb 2010 (2 years 6 months)

- » Development of custom modules for warehouse management (WMS), logistics and sales force support.
- » Development of interoperational interfaces for legacy systems and SAP.
- » Development of handheld applications.
- » System implementation and users training.

## GarboWeb

### *Software Developer*

PHP .NET SHAREPOINT DOTNETNUKE

Mar 2008 – Nov 2008 (8 months)

- » Development of custom modules for an intranet and web portal implementation.

## Infonet - Grupo Tecnetrón

### *Project Manager*

SHAREPOINT

Jul 2005 – Dec 2007 (2 years 6 months)

- » Managed the research and development team of the ERP.
- » Implementation of the intranet, collaboration tools and a knowledge base.
- » Responsible of the software architecture of the ERP.

### *Software Developer*

.NET

Nov 2003 – Dec 2007 (4 years 1 month)

- » Architecture design and development for the ERP.
- » Helped with the development of the software usability and UI standards.
- » Development of the programming standards for the development team

## Education

2000 – 2005

Computer Science Engineer *cum laude*

## eLearning

- » Agile Development, University of Virginia
- » Software Product Management, University of Alberta
- » Machine Learning, Stanford University
- » Image classification and object detection, Universitat Autònoma de Barcelona
- » Algorithms, Princeton University
- » Natural Language Processing, Columbia University
- » Human-Computer Interaction, Stanford University
- » Model Thinking, University of Michigan