



## CONTACT



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[https://da8y01.github.io/gh-blog/CV/cv202308\\_1.html](https://da8y01.github.io/gh-blog/CV/cv202308_1.html)



<https://www.linkedin.com/in/daniel-b-3b070990/>



<https://github.com/da8y01>



<https://bitbucket.org/01ring>

# DANIEL BENÍTEZ RESTREPO

Systems and Computation  
Engineer, MP: 17950-259048  
CLD

## SUMMARY

I'm a Systems and Computation Engineer from Universidad de Caldas (Manizales-Colombia). I'm an intellectual man who likes culture, science and arts. I adapt myself with ease to the circumstances, I'm a compromised, accomplished and responsible person when activities to carry out have been assigned, and my intellectual inquietude allows me to learn and research new stuff efficiently.

## EXPERIENCE

### PROGRAMMING TUTOR CYCLE 4A (WEB)

University of Caldas |

<https://www.ucaldas.edu.co/portal/> | Oct 2022 -  
Nov 2022 (1 month)

*The University of Caldas in compliance with the social function that corresponds to its public nature, has the mission of generating, appropriating, disseminating and applying knowledge through curricular, investigative and projection processes, to fully train citizens committed to society and culture, provide solutions to regional, national and*



<https://gitlab.com/da8y01>

## EDUCATION

### PROFESSIONAL CAREER SYSTEMS AND COMPUTATION ENGINEERING

Universidad de Caldas  
2004 - 2013

### VIRTUAL COURSE DESIGN AND CONSTRUCTION OF INDICATORS (2023-I A-23)

National Administrative  
Department of Statistics - DANE  
2023 - 2023

### VIRTUAL COURSE CONFIGURATION OF ADMINISTRATIVE RECORDS FOR STATISTICAL USE (2023- I A-23)

National Administrative  
Department of Statistics - DANE  
2023 - 2023

### VIRTUAL TRAINING ENVIRONMENTAL RESEARCH WEEK

Environmental Institute GIS  
2022 - 2022

### ONLINE CONFERENCE PYCON COLOMBIA 2022 ONLINE CONFERENCE

PyCon Colombia  
2022 - 2022

### VIRTUAL COURSE ENGINEERING PRACTICES FOR BUILDING QUALITY SOFTWARE

University of Minnesota  
2021 - 2021

### VIRTUAL COURSE 2312659 - SPECIAL COURSE ON BAR AND TABLE BASICS

international problems and contribute to sustainable development.

- *Project: MISIÓN TIC 2022 SAR I-704/2022.*
- *Stack: Backend services with LoopBack, frontend web applications with Angular and ReactJS, HTML/JS/CSS for web modeling, MongoDB document storage.*
- *Infrastructure: SO Windows, Microsoft Teams for communications, Google Drive as file storage, CVS with git and GitHub repositories.*
- *Concerns: Carry out accompaniment in the teaching activities in programming guided by the disciplinary trainer, Carry out work team dynamics, Manage the solution of questions and concerns made by the beneficiaries, Support the training and teaching of programming in the languages and technologies that are going to be use in the cycle, Generate at least weekly reports determined by the training operator, Sprint follow-up through the formats designed for it (Teach lead), Participate in daily follow-up meetings with their work groups, The tutor It has the responsibility of reporting any non-compliance detected in the monitoring activities, Submitting weekly reports of its management and monthly report.*

## BACKEND DEVELOPER

**10Pearls | <https://10pearls.com/> | Apr 2022 - Jun 2022 (1 month)**

*We help businesses digitally transform, build new products, and accelerate digital teams.*

- *Project: 10Pearls training program to improve English skills.*
- *Infrastructure: Windows 10 Operating System, Microsoft Teams for communications, Microsoft Office as office suite.*
- *Concerns: Attend English language skills improvement training.*

## SOFTWARE DEVELOPER

**Alejandra Sierra | <https://www.alejasierra.com/> | Jan 2022 - Apr 2022 (3 months)**

*Advertising and web design company.*

- *Project: Portal Sociedad de Diagnóstico Visual S.A.S.*

Course offered by Servicio  
Nacional de Aprendizaje SENA  
2021 - 2021

**CLASSROOM COURSE  
COURSE 22 INTRODUCTION  
TO GRAPHIC COMPUTATION  
AND SCIENTIFIC  
VISUALIZATION**

BIOS (Bioinformatics and  
Computational Biology Center of  
Colombia)  
2017 - 2017

**ONSITE EVENT OWASP  
LATAM TOUR 2017**

University of Manizales with  
OWASP organization  
2017 - 2017

**VIRTUAL COURSE XAMARIN  
DIPLOMADO | INTERMEDIATE  
LEVEL**

Microsoft Developer Readiness  
2017 - 2017

**VIRTUAL COURSE  
PARALLEL PROGRAMMING**  
École Polytechnique Fédérale de  
Lausanne  
2016 - 2017

**VIRTUAL COURSE MACHINE  
LEARNING: REGRESSION**

University of Washington  
2016 - 2016

**VIRTUAL COURSE  
FUNCTIONAL PROGRAM  
DESIGN IN SCALA**  
École Polytechnique Fédérale de  
Lausanne  
2016 - 2016

**ONSITE EVENT JSConf  
COLOMBIA 2016**

Ruta-N with JSConf Colombia  
2016 - 2016

**VIRTUAL COURSE  
FUNCTIONAL  
PROGRAMMING PRINCIPLES  
IN SCALA**

- *Stack:* Backend services with NodeJS/ExpressJS, client web application with Angular, web layout with HTML/CSS/JS.
- *Infrastructure:* Windows 10 Operating System, CentOS 7 VPS, WhatsApp instant messaging, CVS with git and GitHub repositories, Google Docs as office suite, Figma tool for conversion/translation of the graphical design piece into HTML markup language format.
- *Concerns:* Develop the back-end server with NodeJS/ExpressJS, and the front-end client application with Angular; CVS, databases and VPS deployments setup management.

**APPLICATION DEVELOPER ANALYST**

**PrimeStone | <https://primestone.com/> | Jul 2021 - Jan 2022 (6 months)**

*PrimeStone, a Trilliant company, is a proudly Colombian privately held software development company founded in 1990 by a team of industry experts, with over 25 years of experience in meter data collection, management and analytics.*

- *Project:* A middleware to provide functionalities of migration and synchronization of databases.
- *Stack:* Apache NiFi, Python/Flask, Oracle 11g, MS SQL Server 2012, PostgreSQL 9, Docker/Docker Compose.
- *Infrastructure:* Windows 10, Git repositories, VS Code, Team Foundation Server, Microsoft Teams, VPN.
- *Concerns:* Modification of Apache NiFi templates and Python/Flask application to manage the launch and parametrization of the data and operations flows.
- *Project:* A Interoperability Readings Dashboard to visualize metrics on devices and other data sources.
- *Stack:* Python/Flask, Dash/NumPy/Pandas/Cognito libraries, AWS S3/Glue/Lambdas, Docker/Docker Compose.
- *Infrastructure:* Windows 10, Git repositories, VS Code, Team Foundation Server, Microsoft Teams, VPN, AWS.
- *Concerns:* Implementation of User Stories regarding building layers for UI, callbacks and data for the vizualization dashboard, unit tests of Python source code, implementation of authentication for Python/Flask application using Cognito library, use and activation of

École Polytechnique Fédérale de  
Lausanne  
2016 - 2016

**VIRTUAL COURSE 1212959 -  
ENGLISH DOT WORKS 1**

Course offered by Servicio  
Nacional de Aprendizaje SENA  
2016 - 2016

**VIRTUAL COURSE 1165235 -  
ENGLISH DOT WORKS  
BEGINNER**

Course offered by Servicio  
Nacional de Aprendizaje SENA  
2016 - 2016

**VIRTUAL COURSE HTML,  
CSS AND JAVASCRIPT**

The Hong Kong University of  
Science and Technology  
2016 - 2016

**VIRTUAL COURSE MACHINE  
LEARNING FOUNDATIONS: A  
CASE STUDY APPROACH**

Universidad de Washington  
2015 - 2015

**VIRTUAL COURSE  
RESPONSIVE WEBSITE  
BASICS: CODE WITH HTML,  
CSS, AND JAVASCRIPT**

University of London &  
Goldsmiths, University of London  
2015 - 2015

**CURSO VIRTUAL THE DATA  
SCIENTIST TOOLBOX**

Johns Hopkins University  
2015 - 2015

**VIRTUAL COURSE  
CRYPTOGRAPHY I**

Stanford University  
2015 - 2015

**VIRTUAL COURSE M101P:  
MONGODB FOR  
DEVELOPERS**

MongoDB University  
2014 - 2014

*AWS Glue flows involving buckets, lambdas,  
functions, services, parsers, etc.*

- *Project: A static and dummy API backend server with endpoints to be consumed by clients.*
- *Stack: NodeJS server, Angular client, HTML/CSS/JS, Docker/Docker Compose.*
- *Infrastructure: Windows 10, Git repositories, VS Code, Team Foundation Server, Microsoft Teams, VPN.*
- *Concerns: Development of backend API endpoint services to be used by clients, modification of Angular web application.*

**FULL-STACK DEVELOPER**

**Kibernum Colombia | <https://www.kibernum.com/>  
| Feb 2021 - Apr 2021 (2 months)**

*As one of the largest and longest established IT firms in Latin America, Kibernum offers not just engineering expertise and innovation but also the reliability to get the job done.*

- *Project: COBIS banking platform.*
- *Stack: SQL Server database, Maven packages manager, Java, Tomcat and JBoss web applications containers, usage of AngularJS library on the client web application, HTML/CSS/JS for web modeling.*
- *Infrastructure: Windows 10 Operating System, Sonar code quality tool, Eclipse IDE, COBIS Designer, TFS (Team Foundation Server), Microsoft Teams for communications, VPN, agile principles of software development.*
- *Concerns: Integration and customization of banking modules through debugging of application flow with Eclipse, Maven and Java, with SQL Server, AngularJS and COBIS Designer, applications debugging.*

**FULL-STACK DEVELOPER**

**Soft Dev Team | <https://softdev.team/> | Jul 2020 - Oct 2020 (2 months)**

*Fully-managed On-demand Software Development Team.*

- *Project: Logistics company, management, monitoring and traceability of resources such as warehouses, vehicles, forms, etc.*
- *Stack: Back-end services with Firebase, front-end web app with ReactJS, mobile app with*

**VIRTUAL COURSE WEB  
APPLICATION  
ARCHITECTURES**

University of New Mexico  
2014 - 2014

**VIRTUAL COURSE M101JS:  
MONGODB FOR NODE.JS  
DEVELOPERS**

MongoDB University  
2014 - 2014

**VIRTUAL COURSE M101J:  
MONGODB FOR JAVA  
DEVELOPERS**

MongoDB University  
2014 - 2014

**CLASSROOM COURSE 42914  
- HUMANIZATION OF THE  
HEALTH SERVICE**

Clínica San Francisco S.A.  
2013 - 2013

**CLASSROOM COURSE  
MOBILE DEVICES  
DEVELOPMENT ON ANDROID**

Manizales Vive Digital program ran  
by PeopleContact S.A.  
2012 - 2012

**CLASSROOM COURSE BPO  
SQL/ORACLE**

Manizales Vive Digital program ran  
by PeopleContact S.A.  
2012 - 2012

**CLASSROOM COURSE BPO  
.NET**

Manizales Vive Digital program ran  
by PeopleContact S.A.  
2011 - 2012

**CLASSROOM COURSE BPO  
JAVA**

Manizales Vive Digital program ran  
by PeopleContact S.A.  
2011 - 2012

**VIRTUAL COURSE ETHICAL  
HACKING FREE COURSE**

MKit IT & Security Solutions  
2012 - 2012

*ReactNative.*

- *Infrastructure: Linux OS, git, GitHub, Firebase, Slack, Zoom, Notion, Monday, Scrum.*
- *Concerns: Development of front-end features with ReactJS.*
- *Project: 321 Ignition, platform to enable mobile services for vehicle dealers.*
- *Stack: Micro-services with NodeJS, front-end templates with VueJS and ReactJS, unit tests with Jest library, MongoDB document storage, RabbitMQ message manager, ElasticSearch search engine, virtualization with Docker, cloud resource management with GCP (Google Cloud Platform).*
- *Infrastructure: Linux OS, git, GitHub, Google Cloud Platform, Slack, Zoom, Jira, Scrum.*
- *Concerns: Development of back-end features with NodeJS, asynchronous programming with queues, RabbitMQ, searches, ElasticSearch, MongoDB management, database migrations, development of unit tests with Jest library, development of integration tests with Jest, PostgreSQL and GitHub environments, application deployment.*

**DEVELOPER ENGINEER JUNIOR ADVANCED**

**Heinsohn Business Technology |**

**<https://www.heinsohn.com.co/> | Apr 2019 - Apr 2020 (1 year)**

*We support our customers with IT solutions to the size of their needs.*

- *Project: Tresiba web, comprehensive platform to manage information on the concentration of glucose and insulin in the blood (FBG, fast blood glucose).*
- *Stack: Back-end server with SpringBoot, client web application with Angular, PostgreSQL and MySQL databases, native mobile applications for iOS and Android systems, auxiliary device for reading fasting glucose (FBG) information.*
- *Infrastructure: Windows 10 Pro Operating System, Microsoft Remote Desktop, GCP (Google Cloud Platform) and GKE (Google Kubernetes Engine) cloud services, Slack, Zoom, Jira, Confluence, Scrum.*
- *Concerns: Development of front-end features with the Angular framework, use of the Material library for UX/UI interface components, use of libraries for state management and RxJS*



**CLASSROOM COURSE  
329366 - INFORMATION  
SYSTEMS DEVELOPMENT  
USING JAVA EE PLATFORM**

Course offered by SENA under the  
auspices of PeopleContact S.A.  
2012 - 2012

**CLASSROOM COURSE  
322340 - BPO DATABASES  
WITH MYSQL**

Course offered by SENA under the  
auspices of PeopleContact S.A.  
2012 - 2012

**VIRTUAL COURSE 21730030 -  
WEB DESIGN WITH ADOBE  
DREAMWEAVER CS3**

Course offered by Servicio  
Nacional de Aprendizaje SENA  
2011 - 2011

**VIRTUAL COURSE 21720038 -  
USING ADOBE PHOTOSHOP  
CS3**

Course offered by Servicio  
Nacional de Aprendizaje SENA  
2011 - 2011

**VIRTUAL COURSE 21730134 -  
MOBILE DEVICES  
PROGRAMMING (MDP)**

Course offered by Servicio  
Nacional de Aprendizaje SENA  
2011 - 2011

**VIRTUAL COURSE  
MICROSOFT FIVE STARS  
DEVELOPER LEVEL 5**

Training program from Microsoft  
developers community  
2011 - 2011

**VIRTUAL COURSE 12210039 -  
ENGLISH DISCOVERIES -  
BASIC III**

Course offered by Servicio  
Nacional de Aprendizaje SENA  
2010 - 2010

**VIRTUAL COURSE 12210037 -  
ENGLISH DISCOVERIES -  
BASIC I**

Course offered by Servicio  
Nacional de Aprendizaje SENA

functionalities such as Redux, management of  
CVS git and BitBucket repositories, interaction  
with an international team and command of the  
advanced written and spoken English  
language.

- *Project: New EPS Forms, auxiliary system of forms of an EPS (Health Provider Entity).*
- *Stack: Drupal CMS (Content Management System), PHP language, MySQL database.*
- *Infrastructure: Windows 10 Pro and Linux (Ubuntu) operating systems, Microsoft Remote Desktop, VPNs, Slack, Skype, MS Excel, Scrum.*
- *Concerns: Implementation of web forms and data requests to external services/APIs/endpoints with the CMS Drupal 8.*

**FRONT-END DEVELOPER**

**SuperLikers | <http://www.superlikers.com/> | Mar 2016 - Mar 2019 (3 years)**

*Superlikers is an online platform to setup and manage 360 Fidelization Programs.*

- *Project: SuperLikers, web system for the management of gamified platforms.*
- *Stack: Back-end server with Ruby on Rails and SinatraRb, client web app with AngularJS/Angular, MongoDB document storage, Redis, Memcached.*
- *Infrastructure: Linux (Ubuntu) and Windows (7, 10) Operating Systems, AWS services, EC2 instances, S3 buckets, CVS with git and Unfuddle, BitBucket and GitHub repositories, Slack, Trello, Scrum.*
- *Concerns: Migration of an administrative panel type web application using the AngularJS library to the Angular framework, development of front-end features with Angular (versions 2, 4, 5, 6), JavaScript, jQuery, HTML, CSS, Material UX/UI library, consumption of APIs/endpoints/remote services.*

**FULL-STACK DEVELOPER**

**Ignite Technologies | <http://ignite.com.co/> | Jun 2018 - Sep 2018 (3 months)**

*We're a colombian enterprise concerned with the design and development of innovation technologies, engineering and science products. Our focus is*

2010 - 2010

**VIRTUAL COURSE 52410017 -  
FLASH - 2D ANIMATION**

Course offered by Servicio  
Nacional de Aprendizaje SENA  
2010 - 2010

**CLASSROOM WORKSHOP  
AJAX USE ON ASP.NET**

ExpoASI 2009 (Universidad  
Nacional)  
2009 - 2009

**VIRTUAL COURSE WEB  
DEVELOPMENT WITH RUBY  
ON RAILS**

time4code Training  
2009 - 2009

**CLASSROOM WORKSHOP  
DNN (DOTNETNUKE) AND  
JQUERY ON THE WEB  
(WORKSHOP)**

Microsoft Installation Festival 2009  
(Universidad de Caldas)  
2009 - 2009

**CLASSROOM WORKSHOP  
MICROSOFT INSTALLATION  
FESTIVAL**

Universidad de Caldas  
2009 - 2009

**COURSE-CLASSROOM  
WORKSHOP WEB ORIENTED  
PROGRAMMING WITH .NET  
BASIC SEMINAR**

X Engineering Days from  
Universidad de Caldas  
2008 - 2008

**CLASSROOM COURSE LINUX  
FIRST LEVEL**

University of Manizales  
2001 - 2001

**CONGRESS GNU/LINUX  
CONGRESS EJE CAFETERO**

University of Manizales  
2001 - 2001

*directed towards processes optimization based upon  
technology based solutions for our clients and users.*

- *Project: Mr. Quick, mobile application for food services and restaurants.*
- *Stack: Back-end server with Ruby on Rails, hybrid mobile app with Ionic 4, PostgreSQL database, CVS with git and GitLab repository.*
- *Infrastructure: Linux (Ubuntu) and Windows (7, 10) Operating Systems, AWS services, S3 buckets, Slack, Scrum.*
- *Concerns: Migration, development and update of a mobile application using the Ionic 4 hybrid application framework, development of back-end features with Ruby on Rails, management of Git repositories and AWS services.*
- *Project: HandleBay, website similar to a social network for suppliers, customers, intermediaries, companies.*
- *Stack: Web application with Ruby on Rails, PostgreSQL database, CVS with git and GitLab repository, Unicorn and Passenger application servers.*
- *Infrastructure: Linux (Ubuntu) and Windows (7, 10) Operating Systems, AWS services, EC2 and AMI instances, S3 buckets, Slack, Scrum.*
- *Concerns: Development with the Ruby on Rails framework of a web application according to the project specifications.*

**DEVELOPER**

**Mapalé Software |**

**<http://www.mapalesoftware.com.co/> | Feb 2015 -  
Feb 2016 (1 year)**

*We are a team of  
developers/designers/scientists/geeks who find their  
work very entertaining and thrilling. As a team, we  
develop software in different areas, with emphasis in  
web and mobile, but with experience in telephony  
projects, digital kiosks, enterprise applications,  
security systems, Artificial Intelligence, cryptography  
and even artistic installations.*

- *Project: Houspoon, web application that coordinates chefs, reservations and food services at home.*
- *Stack: Back-end server with NodeJS, front-end web app with ReactJS, mobile app with ReactNative, PostgreSQL database, CVS with git and BitBucket repositories.*

# SKILLS

## Programming

Ruby Python Java  
JavaScript C C++ C#  
VisualBasic assembler  
bash PowerShell

## Web

Rails Django PHP  
NodeJS AngularJS  
Angular ReactJS  
Servlets/JSP/EJB .NET  
JavaScript HTML CSS  
CoffeeScript HAML SAAS  
Frameworks PHP: Yii, Cake, Symfony,  
CMS: WordPress, Joomla, Drupal, PH

## Databases

MySQL Postgres  
SQL Server Oracle  
MongoDB

## Mobile

Android Ionic  
Appcelerator Titanium  
Java ME BlackBerry

## Operating Systems

Linux Windows

VMs and virtualization (VMware, Virtu

Docker containers

CVSs y repositories (git, subversion, C

Cloud services (Amazon EC2, GCP, G

PaaS

IaaS (Heroku, Hasura, Docker Hub, An

## General IT

networking algorithmics  
offimatic architecture  
patterns electronics  
management

- *Infrastructure: Linux OS, Heroku cloud PaaS, Slack for communications, Toggl for task management, Scrum for project management.*
- *Concerns: Development of back-end features with NodeJS, implementation of unit tests with Mocha library, implementation of integration tests with PostgreSQL database, development with ReactJS and Redux state library.*
- *Project: Subscription System, subscription management and integrations with an external marketing service (Mailchimp).*
- *Stack: Back-end server with Django framework, PostgreSQL database, CVS with git and BitBucket repositories.*
- *Infrastructure: Linux Operating System, Slack for communications, Toggl for task management, Scrum for project management.*
- *Concerns: Development of back-end features with the Django framework, thread management, remote service calls.*
- *Project: Coquelux, virtual clothing store.*
- *Stack: Back-end server with PHP, front-end web application with AngularJS library, PostgreSQL and MySQL databases, CVS with git and GitHub repositories.*
- *Infrastructure: Linux Operating System, Docker for container management and virtualization, web servers (Apache), Slack for communications, Toggl for task management, Scrum for project management.*
- *Concerns: Development of back-end features with PHP, development of front-end features with the AngularJS library.*
- *Project: Logistics System, web application that consumes, processes and publishes WebServices or remote SOAP and REST backend APIs with information regarding logistics such as addresses, couriers, orders, packages, deliveries.*
- *Pila: Back-end server with the PHP Silex framework, Postgres and MySQL databases, Doctrine and Phinx libraries for database management and migrations, CVS with git and GitHub repositories.*
- *Infrastructure: Linux Operating System, Docker for container management and virtualization, web servers (Apache), Slack for communications, Toggl for task management, Scrum for project management.*



- *Concerns: Development of back-end features with the Silex framework.*
- *Project: SmartReader, web application for reading and smart quizzes of published articles and readings.*
- *Stack: Back-end server with Ruby on Rails framework, front-end web application with AngularJS library, PostgreSQL database, CVS with git and BitBucket repositories.*
- *Infrastructure: Linux Operating System, Heroku for cloud deployments using PaaS, Slack for communications, Toggl for task management, Scrum for project management.*
- *Concerns: Development of back-end features with the Ruby on Rails framework, development of front-end functionalities with the AngularJS library.*

## **SOFTWARE DEVELOPER**

**Kommit | <https://kommit.co/> | May 2014 - Jan 2015 (7 months)**

*We are a USA based company with roots in Latin-American. Our mission is to find and enable talented people in that region to work remotely with North American companies.*

- *Project: Medical Agenda, progressive web application (PWA) for the management of doctors, patients, agendas and interactions.*
- *Stack: Remote backend services using BaaS (Heroku), Progressive Web App (PWA) using a Google Chrome extension with AngularJS library, CVS with git and GitHub repositories.*
- *Infrastructure: Linux (Ubuntu, Debian) Operating System, Slack for communications, Scrum for project management.*
- *Concerns: Web development of a PWA using the AngularJS library.*
- *Project: Civico, web portal for monitoring, collecting, tracking and recommending places, events and news of different cities.*
- *Stack: Ruby on Rails web application, MongoDB NoSQL database, Mongoid Object-Document Mapper (ODM) driver, CVS with git and GitHub repositories.*
- *Infrastructure: Linux (Ubuntu, Debian) Operating System, Memcached and Redis tools, Slack for communications, Scrum for project management.*

- Concerns: Web development using the Ruby on Rails framework.

## **PROGRAMMER**

### **Webde Development System |**

**<https://www.webdefamily.com/> | Jan 2014 - Mar 2014 (2 months)**

*We connect your company with more clients through the internet. Marketing services focused on results.*

- *Project: Funeral Company, web application with mobile application for contract and insurance management of a funeral company.*
- *Stack: Ruby on Rails web app, PostgreSQL database, hybrid mobile app with Appcelerator Titanium, CVS with git and GitLab repositories.*
- *Infrastructure: Linux Operating System (Ubuntu), PaaS in the Heroku cloud, Scrum for project management.*
- *Concerns: Hybrid mobile application development with Appcelerator Titanium, web application development with Ruby on Rails, consumption, processing and publication of SOAP (Simple Object Access Protocol) and REST (Representational state transfer) web services, management of databases and web servers, CVS.*
- *Project: IT website, main website of an IT service company.*
- *Stack: Ruby on Rails web app, MySQL database, CVS with git and GitLab repositories.*
- *Infrastructure: Linux Operating System (Ubuntu), PaaS in the Heroku cloud, Scrum for project management.*
- *Concerns: Web application development with Ruby on Rails, management of databases and web servers, CVS.*

## **SYSTEMS ENGINEER**

### **Clínica San Francisco S.A. |**

**<http://www.clinicasanfrancisco.com.co/> | Jul 2013 - Oct 2013 (2 months)**

*Clínica San Francisco S.A. is a private institution offering high complexity healthcare services at the middle and north of Valle region (Tuluá, Valle del Cauca).*

- *Project: SIIS, Integrated Health Information System of a clinic that works as a web*

application.

- *Stack: Backend services with PHP, client web application with jQuery/HTML/CSS, PostgreSQL database, CVS with Subversion (svn) and local shared repositories, TortoiseSVN client application, NetBeans IDE.*
- *Infrastructure: Linux Operating System (Ubuntu, CentOS), Apache web server, RedMine for task management, project management based on RUP (Relational Unified Process).*
- *Concerns: Development and implementation of different activities focused on modifying and/or adding functionalities to the entity's SIIS, programming in PHP web server-side language and JavaScript/jQuery web client-side language, web modeling with HTML/CSS, optimization of SQL queries, provide general IT support.*

## **CALL CENTER OPERATOR**

**Digitex Internacional Ltda. |**

**<http://www.grupodigitex.com/> | Apr 2013 - Jun 2013 (2 months)**

*We partner with clients to deliver outstanding customer experience.*

- *Project: Chile's Saltas Outbound sell campaign to offer SIM cards chips.*
- *Stack: Hermes software to handle outgoing calls, notepad.*
- *Infrastructure: Windows Operating System, MS Excel to complete the formats used.*
- *Concerns: Make calls with the software to potential clients in Chile to offer and sell SIM cards.*

## **ANALYST DEVELOPER**

**Latinia Mobile Infrastructure |**

**<https://www.latinia.com/> | Apr 2012 - Aug 2012 (4 months)**

*Latinia is an independent software vendor (ISV), which specializes in infrastructure product development for asynchronous type financial notifications or push banking(mobile or instant messaging, email, Twitter's DM, push notifications – Android & Apple iOS), utilized mainly by leading and globally distributed financial institutions (banks, savings banks, processing and payment systems),*

*public institutions government and service providers, distributing the same globally and acting as leaders in their respective segments and industries.*

- *Project: Instant messaging and secondary notifications broker of a financial institution.*
- *Stack: Backend services with JavaEE (Java Enterprise Edition)/EJB (Enterprise Java Beans)/JMS (Java Messaging Services), Oracle 11g database, test client applications with JSP (Java Server Pages), Servlets, and JavaSE (Java Standard Edition), Ant and Maven packaging and deployment tools, Eclipse IDE.*
- *Infrastructure: Windows (7), Linux (CentOS 5) Operating Systems, Virtual Machines (VMs) with VMware Player, WebLogic and JBoss application containers.*
- *Concerns: Development of features to test and monitor the traffic of sending messages with different characteristics (channel, attachments, quantity, intervals, etc.) of a notification and messaging broker middleware using JavaEE and JavaSE technologies, Oracle database management, management of WebLogic and JBoss containers, management of Ant and Maven software management tools.*

## VOLUNTEER

### PARTICIPANT/VOLUNTEER

**Manizales-Dev | <http://manizales-dev.github.io/> | Feb 2015 - Aug 2017 (2 years 5 months)**

*Manizales-Dev is a community of local developers to build together an ecosystem around technology to bring support to individuals and organizations towards regional progress.*

- *Participation on different meetup events organized.*
- *KodeFest 2017*
- *NodeSchool International Day 2016 (Chapter Manizales)*
- *Global Day of Coderetreat 2015*
- *Participation in XIV Jornadas de Ingeniería, Tecnología e Innovación 2015 at Universidad de Caldas ( <http://jornadas-ingenieria.gitir.co/> ).*
- *HTML5 and JavaScript, Omnipresent future*

- *NodeSchool International Day 2015* (<http://nodeschool.io/manizales/>).

## A W A R D S

- **Basic Xamarin completed** | Mar 2017 |  
Microsoft Developer Readiness  
*Basic Xamarin course finished.*

## P U B L I C A T I O N S

### MANTACORE SKY BLOG

Mantacore Sky | <http://da8y01.gitlab.io/gl-blog/> |  
**2023-06-21**

*A miscellaneous blog (IT and literature mainly).*

### TRASHUMANTES WEBSITE

Trashumantes | <https://tras-humantes.net/> | **2017-02-14**

*A personal and miscellaneous website.*

### EASY ENGINEERING - BLOG

Easy Engineering | <http://da8y01.github.io/gh-blog/> | **2013-05-07**

*A blog dedicated to reading and various subjects.*

## L A N G U A G E S

- **Spanish** | *Native language*
- **English** | *Intermediate. Berlitz Proficiency Test Number: 35162, Expedition date: June 2013. Level: B1.*
- **English** | *Advanced. EF SET Certificate 70/100 C1 Advanced. Awarded on: 26 Apr 2022. <https://efset.org/cert/cowZZo>*