

DANIEL ROSATO

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## EDUCATION

**Politecnico di Milano**, Como, Italy  
Master of Science, Computer Science  
Emphasis: Data Engineering

October 2015 to December 2018

**Universidad Metropolitana**, Caracas, Venezuela  
Bachelor of Engineering, Systems Engineer

March 2006 to February 2012

## TECHNICAL SKILLS

<b>Programming Languages:</b>	Java, Ruby, C++, HTML5, Javascript, CSS3, SQL
<b>Frameworks:</b>	Ruby On Rails, React.js, Bootstrap
<b>Applications:</b>	Matlab, Eclipse
<b>Operating Systems:</b>	Windows, Linux, Mac

## WORK EXPERIENCE

**Web Developer** April 2015 to September 2015 - November 2016 to October 2017

**Chess Logistics Technology**, Manchester, United Kingdom

- Function: Full stack development and maintenance of an enterprise level warehouse management system and of an Android app in Ruby, Ruby on Rails, ActiveRecord, Git, HTML, JavaScript, CSS, RSpec, PostgreSQL, Java, Android, Android Studio.
- Developed and rolled out to production several key features such as integrations with other companies, like Shipmate UK.
- Designed and co developed the architecture for the ProSKU Android application.

**System Specialist**

September 2014 to March 2015

**Tejidos F&D 2010, CA** - Caracas, Venezuela

- Function: Full stack development and maintenance of administrative system in Ruby, Ruby on Rails, ActiveRecord, Git, HTML, JavaScript, CSS, RSpec, Pivotal Tracker, PostgreSQL.

**System Analyst**

July 2012 to August 2014

**Mercantil Banco Universal** - Caracas, Venezuela

- Function: Online banking development and maintenance in Java, Apache POI 2.1, Maven, Axis, Hibernate, iText, JQuery, Ajax, JSP, HTML, CSS, Jenkins, Jira, Sonar, Jasper Reports, PL/SQL, Oracle 10g, SOAP, SVN, NetBeans, Eclipse.
- Developed and rolled out to production a key integration with the company Payco Venezuela to provide a payment solution for clients of Mercantil en Línea Empresas (online banking for enterprises).

- Co developed and rolled out to production a new authentication mechanism based in a second authentication factor for Mercantil en Línea Empresas (online banking for enterprises).
- Developed and rolled out to production several other lesser features and projects.

## **System Analyst**

August 2011 to June 2012

### **Molina Viajes - Caracas Venezuela**

- Function: Java application design and development, with business intelligence reports in Microsoft Reporting Services, Java, iText, Swing, Transact-SQL, SQL Server, NetBeans.
- Development of a data warehouse solution and further business intelligence system that would provide a bigger consolidated view of the company's data.

### **Freelance - \***

- ProSku (09/2015 to 11/2016 - 11/2017 to 10/2018): Full stack development and maintenance of a web based enterprise warehouse management system.
- SpeakToMyAgent (03/2017 to 11/2017): Development of an automated web scraper in Ruby, Capybara and Poltergeist.
- Bitstoria (04/2016): Development of the front end of a Ruby application.

## **POLITECNICO DI MILANO PROJECT EXPERIENCE**

### **Briscola!**

Development of an Android game based on the italian classic card game of Briscola.

### **Proximity detection of a human being using Bluetooth low energy technology**

Developed a solution for proximity detection of a human, more specifically when someone is seated in a chair, using the RSSI of several BLE beacons.

- Programmed two or more esp32 micro controllers to attach to a chair and to communicate through BLE and send measurements (RSSI) via HTTP to a web API.
- Implemented a Kalman filter to perform noise reduction given that the BLE signal is noisy and sensor fusion to incorporate multiple measurements into the estimation.
- Implemented a recursive K means clustering algorithm to label the measurements.

## **ADDITIONAL INFORMATION**

Rosato D., Masciadri A., Comai S., and Salice F. **Non-invasive monitoring system to detect sitting people**. Proceedings of Goodtechs2018. Forthcoming.

## **CERTIFICATIONS**

- Oracle Certified Associate, Java SE 7 Programmer, Oracle

**LANGUAGES:**           Fluent Spanish and English, Intermediate Italian