

MAXIMILIANO EMMANUEL CABRERA

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Visa: Work and Holiday (Subclass 462) / Also looking for sponsorship (to move permanently)

Nationality: Argentinian / Italian.

Date of Birth: June 23rd, 1991.

SKILLS-----

Java 5+, Groovy & Grails, Android, RESTful APIs, MVC pattern, Oracle SQL, MySQL, XML, JSON, HTML / GSP, Agile methodologies (Scrum), log4j, NewRelic, Junit, Selenium, TDD, Github / SVN, maven, Eclipse, Android Studio, Linux, Mac OS, Apache Tomcat 7, Javascript, hibernate, Spring, Bigqueue for queue messaging, Quartz jobs scheduling, Memcached, Redis, Gpars / Parallel processing, Oracle PL / SQL, CSS, JQuery, Teradata, AWS, C, Bash Scripting, Google Docs, Microsoft OS, Microsoft Office.

WORK EXPERIENCE-----

Software Developer – [MercadoLibre.com](#)



(November 2012 – Present) – Full time job

About the company:

MercadoLibre is N° 1 in Latin America online marketplace dedicated to e-commerce like eBay.

- NASDAQ: [MELI](#)
- Revenue: 651.8M (2015)
- Employees: 3.500+

Tasks & Responsibilities:

- Proactively design scalable solutions and discuss alternatives with the team.
- Develop new features and monitor their performance and results.
- Testing all features to minimize all posible errors.
- Interact with other teams to make changes in their code or to make pull requests.
- Perform business analysis to find opportunities and weaknesses to improve services.
- Interact with stakeholders to define Quarter scope and keep update meetings to track our goals and objectives so we can define best ways to achieve them.

Projects Involved:

• **CLASSIFIEDS IT**

- Duration: 2 months.
- Migrate old Java 5 services into more maintainable Groovy & Grails RESTful APIs.
- Automate the motor's web page price references load task creating new Grails APIs that interacts with each other.
- Create a Grails API that reads and translate the reference prices provided in an Excel archive.
- Create other Grails API that receives the translated reference prices and loads that info in a MySQL database.
- Create a front end API with Groovy and Grails, in order to show the reference prices from the MySQL database in the website front end, through GSP / HTML, Javascript and JQuery using MVC pattern.
- Create unit and functional tests with a functional test grails plugin.

Achievements

- Besides helping the company to have a more maintainable, and well monitored and alerted code, the reference price loading automated task helps to have a more accurate and updated reference price on the website so sellers could feel more secure about the price of their motors.

• **TRAFFIC REGISTRATION TEAM IT**

- Duration: 3 months.
- Improve the users profile API (built in Grails) so they can add multiple addresses, update them, delete them, and choose their favourite / default, using Oracle Database.
- Be in contact with the UX team to coordinate the implementation of their front end improvements to the API HTML/GSPs, CSS and Scripts.
- Migrate the users Feedback's services from old Java 5 code, to new maintainable Groovy and Grails APIs.
- Create new Backend App measuring their response time, that receives GET, POST, PUT and DELETE requests in order to modify Feedback objects on an Oracle Database.
- Monitor the Feedbacks App with "New Relic" service.
- Create tests with grails functional test plugin similar to Junit, and Automated tests with Selenium web driver.

Achievements

- This was an important milestone for the next steps of the company heading into shipping improvements and buying chart, where was needed multiple addresses and buying default address, selling default address in order to despatch and receive products.

- **EMAILS CORE IT**

- Duration: 3 months.
- Nobody was in charge of the emails of the company, so I had to detect and find out if there is any place that has track of the emails sent to the users.
- As each team has their own way to send the email, I had to find out how the emails worked and were sent in different technologies through Java, Grails, Oracle Triggers and PL/SQL.
- Monitor and track the top 10 of the company's emails so we can understand the users behaviour on them like open rate, click through rate, conversion rate.
- Select the mail with the most impact to users to make improvements.
- Interact with Stakeholders, UX team, and communications team, in order to define alternatives and improvements to the Questions and Answers emails sent to the users so we can improve the conversion rate.
- Implement A/B testing with the best alternatives and the original email in order to understand the users response for each alternative.
- I made modifications in others teams APIs through Pull Request using Github, and made Tests of that implementations. There were extremely sensitive projects, where if I made a mistake, the whole company could stop sending emails or send them wrong, so I had to be extreme careful and accurate, no second chances.
- Some apps used mocks, others used node.js server, others redirect their requests to their own app, so I am use to test in a wide range of ways.
- Decide the best alternative to make the best impact and deploy it for all cases.

Achievements

- Making this well analyzed improvement, I improved the conversion time of the potential buyers that needed information from the seller. That translates to a better user experience on the platform.

- **FRAUD CORE IT**

- Duration: 42+ months.
- The objective was to minimize fraud cases on the platform, improving the detection in order to minimize the false positives to have a better good users experiences.
- Coordinate with the manual review team in order to understand how they acoplate with the automated system of fraud detection.
- Analyzing the old fraud detection system that was coded in old Java 6, executing queries in Oracle, and through Oracle triggers and PL/SQL apply restrictions to the users, I started to develop a control group on it in order to understand its efficiency.
- I worked with java 6 and java 7, MySQL, Grails plugin, HTML / GSP, CSS, JQuery and Javascript in order to create various apps of a complex system that could catch fraudulent users in real time, mark their risks, and prevent golden users to be restriceted through a whitelist.
- The main app was conected to Oracle, where I created rules that where executed through RESTful APIs gathering information, and making decisions.
- I Created Java jobs with Quartz plugin connected to any database in order to clean old and deprecated data, and in order to have a more monitored, controled and errorless way of execute the restrictions and remedies decided by the apps.

- In this project I have also used a lot of tests, Junit, Grails functional test library, Selenium webdriver, mocks in different ways like external test servers, internal mocks, test urls, and even internal mocked urls.
- I log all the important info on the servers in order to understand why something fail, or in order to fix any bugs could happen using Log4j.
- I monitor the app using “New Relic” service, in order to know response time of the scoring, response time of each service used so I can understand quickly where could be the delay or the source of an issue, etc.
- Because of my previous experience, I have tracked the open rate and click rate of the team emails, in order to understand the users response, and improving them through web services, open rate pixels, and html/gsp changes.
- I have implemented an extra form on the denounces web page in order to gather more information from the users denounces through making modifications on externals very important core Grails Apps, with MySQL and Oracle databases, new relic monitoring, log4j logging, and html / gsp pages using JQuery and Javascript.
- I have also made improvements using Gpars plugin, memcached, in order to have parallel and concurrent processing improving time of the most heavy part of the scoring process.

Achievements

- Make a huge impact on the company's fraud rates dropping them like never before, and decreasing the false positives restrictions, saving money to the company and improving the users experience.
- I also created the new fraud score app, still being used and want to be used by other related teams, that dynamicaly can choose info to gather depending on the context, easy to put hands on, easy to create a new context, reusing of existing services already implemented, easy to track results and info scored for future analysis using latest technologies like Java 7, Quartz Jobs, Parallel processing, MySQL, etc.
- I have implemented a new silent restriction that trully makes a difference on the false positives impact, and still preventing on fraud cases.
- Have made changes in extremely important github code from core teams where I have to be extreme careful with my tests, changes, and code simplicity, reusability and reading.
- I have been involved in every step a solution from design to implementation and further maintenance, making decisions in contact with managers and stakeholders.

Tools:

- ◆ Groovy & Grails framework, MVC pattern, Java 5, Java 6, Java 7, Oracle SQL Developer, JSON, Bigqueue for queue messaging, Log4j, NewRelic, Oracle PL/SQL, MySQL, Linux / Mac OS, bash / scripts, Gpars (parallel processing), Quartz (job scheduling), Junit, Selenium webdriver, TDD, Agile methodology (Scrum), Memcached, Redis, RESTful APIs, Github, Sublime, Teradata, Eclipse, XML, GSP / HTML, JQuery, Javascript, CSS, SVN, hibernate, spring, Windows OS, Gdocs

Software Developer – [Interaxa](#)



(May 2012 – November 2012) – Full time job

About the company:

Interaxa is a global integrator of technology solutions for Contact Centers.

- Employees: 50+

Tasks & Responsibilities:

- Development support and maintenance of telecommunications systems in different languages.
- Analyze requirements from stakeholders of a wide range of different clients.
- Solve issues keeping track of task progress using a ticket based system like Jira.

Projects Involved:

- **INSURANCE CLIENT CONTACT CENTRE IT SUPPORT**
 - Duration: 2 months.
 - I was the only one involved with the bug fixing of an already implemented insurance company contact centre system.
 - I analyze the Java 5 code that was messaging focused between the java desktop application and the PBX communication server.
 - I have fixed bugs like not showing buttons and calls that stay alive when not suppose to when transfered.

Achievements

- The client company could start making call transfers normally through the java desktop application.

- **“STANDAR BANK” CLIENT CONTACT CENTRE IT SUPPORT**

- Duration: 2 months.
- I had to analyze why an scheduled bash scripting was not being correctly executed when supposed to without acces to the production server.
- I have made sure that the script executes correctly on a windows local machine with local data, in order to demonstrate that the script was fine, and surely was something about the schedule configuration on the production server.

Achievements

- I was able to speak with stakeholders and made myself clear explaining them about the situation of their product.

- **“CITI BANK” CLIENT CONTACT CENTRE IT SUPPORT**

- Duration: 2 months.
- I was the only one involved with the bug fixing of an already implemented contact centre system of the CITI bank in Argentina.
- I analyzed .NET code to figure out the source of a bug that makes the application fail when the call with the customer was made exactly on his birthday date.

Achievements

- The contact centre was able to have the customer information displayed even when the call was made in the customer's birthday date.

Tools:

- ◆ Java 5, Eclipse IDE, SVN, Maven, Windows OS, bash script, FTP,.Net, Microsoft Visual Studio, Ticket based System (like Jira)

Software Developer – [Techint](#)

(October 2010 – May 2012) – Full time job



About the company:

Techint, with its subsidiaries, are all global or regional leaders in their fields: engineering, construction, steel, mining, oil & gas, industrial plants, healthcare in Latin America.

- Revenue: 25.48 billion USD (2012)
- Employees: 59.000+

Tasks & Responsibilities:

- Develop new product services in Java.
- Improve and develop front end logic with “in house” made tools.
- Bug Fixing.
- Code Maintenance.
- Query Optimization.
- Report and keep tracking of task progress.
- Work and cooperate with local and international team members.

Projects Involved:

- **STEEL CYLINDERS IT TEAM**

- Duration: 4 months.
- I was involved in the creation of an ABM backend system with Java 5 using Oracle Database for saving objects and using XML to connect with an own company made front end tool.

Achievements

- There was no system for this area before, this was the first implementation that help the workers improve their work.

• TRANSPORTATION LOGISTICS IT TEAM

- Duration: 5 months.
- I was involved in the maintenance and creation of new features of the inner transportation logistics of the company using Java 5, Oracle databases and XML, to interact with other applications in order to gather information to automatize manual tasks.

Achievements

- There was a lot of information manually added before, and after this project it was automatically filled in order to gain workers time.

• STEEL SPECIFICATIONS IT TEAM

- Duration: 10 months.
- This project was also about improving already implemented Java 5 systems, that used Oracle databases and XML in order to create reports and connect with the own company made front end tool.
- I had been involved in creating services for external teams that need our information for their applications.

Achievements

- I created an application called “The bridge” that with just one generic Id, others team could reuse it to gather information, even us we could reuse it on various part of the project.

Tools:

- ◆ Java 5, Eclipse IDE, Oracle SQL Developer, SVN, XML

OTHER EXPERIENCE-----

• Android apps development - [My Apps Page](#)

(2010 – Present) – In my free time – self taught / researching on the web

- Besides my published apps, I have been working on many others that because of time I could not publish yet.
- I have used Eclipse IDE, Android Studio, since Android 2.0+, have used fragments, AsyncTask, HTTP requests, Lists with many rows, translations, pixels vs dp, various sizes, reactions and animations, permissions, phone status management, and other knowledge from previous works.

Tools:

- Android Studio, Eclipse, Android SDK Api level 5 +, Fragments, REST APIs, gradle, Google APIs, AWS.

EDUCATION-----

- **“Universidad de Palermo”** - [Software Engineering Bachelor's Degree](#)

(while working full time)

- *Year of Graduation: 2015.*
- *Final grade 8,03 – out of 10 scale GPA*
- *Student ID: 68998*

- **“San Luis Gonzaga” - High School** - Specialization in Economics and Management

- *Year of Graduation: 2008*

HONORS & AWARDS-----

- **2015 Final Grade Work Award** - [Santander Rio Bank/University of Palermo](#)

(Special mention in the "Best Final Project" category)

CONTINUOUS LEARNING-----

[GOOGLE I/O](#) (Internet Online Presence) - 2016

[W3 SCHOOLS](#) (Internet Learning)

- Bootstrap Framework - 2016
- CSS Styling - 2016
- HTML web development - 2015

BOOK LEARNING

- "El gran libro de android" - 4st edition - 2015)
- "El gran libro de android avanzado" - 2nd edition - 2014)
- "El gran libro de android" - 1st edition- 2013)

EDUCACION IT (Center for Training and Professional Development)

- **JAVA STANDARD PROGRAMMING** (Object Oriented Programming)
 - Duration: 40 hours. August 2010
- **INTRODUCTION TO DATABASES AND SQL**
 - Duration: 12 hours. July 2010
- **JAVA FOR NON-PROGRAMMERS** (Structured Programming)
 - Duration: 15 hours. June 2010

IAC (Argentine Institute of Computing)

- **VISUAL BASIC 6.0**
 - Duration: 128 hours. Year 2006
- **WEB ADMINISTRATOR**
 - Duration: 128 hours. Year 2007
- **COMPUTER BUILDING AND REPAIR**
 - Duration: 128 hours. Year 2006
- **MICROSOFT ACCESS**
 - Duration: 16 hours. Year 2006

OTHER SKILLS-----

- **Personal skills:**
 - Perform business analysis and data analysis to detect weaknesses and opportunities.
 - Improve skills and learn about new technologies.
 - Care about code performance and quality.
 - Minimize errors by testing changes and features before deploy them in production.
 - Monitor and control changes and features after deploy them in production.
 - Hard working and excellent team working attitude.
 - Always thinking ways to improve services and flows.
 - Communicate with stakeholders and techinchal staff.
 - Dynamic and able to adapt to change.
 - Team working.
- **Languages:** Spanish (fluent), English (professional working proficiency), Italian (basic)