Juan Manuel Chouza

Software Engineer

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| Date and place of birth: | 27 March 1980, Jujuy Argentina |
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Overview

Manuel has over 15+ years experience in the IT sector, excellent interpersonal skills and strongly believes in the philosophy of teamwork to accomplish the best. He has achieved a prestigious degree in computer science at National University of Technology (UTN) in Argentina.   
Manuel considers himself a great problem solver and people normally recur to him for such a skill, he loves strategic thinking to find the suitable solution given the existent constraints each scenario presents. He also has strong analytical skills and a great sense of usability.

**Career Objective**

During my career I have been in control of a wide variety of technologies and a big list of projects. After long years of being working in IT and crossing a variety of industries as a service I gained and collected a vast experience under all different circumstances and technologies pursuing always the fact of making people conscious of working as a team rather than as isolated individuals.

WORK EXPERIENCE

05-2018 / 01-2019 - CTO + Tech Lead - Faktoora GmbH Germany (startup)

I created:

* a mobile solution (React Native) to extend the desktop version
* a test framework on a move to intriduce TDD to existent team (Mocha, chai and chakram)
* an administration console built on react + react-admin + redux-saga and other libraries
* an Odoo (Python CRM) customisation to integrate an invoicing module to our existent platform in order to keep them in sync.
* Every solution done under dockerised environments (rancher + gitlab + docker)
* an NodeJS (strapi + koa + knex + pg + lodash, etc.) online fin-tech platform

09-2017 / 04-2018 - CTO + Tech Lead + Infrastructure owner - Stratamap NZ (startup)

My tasks and responsabilities were the following:

* architecturing a JAVA solution, based on lightweight micro services (Spring Boot + MVC etc.). It was a multiple layered architecture to serve incoming requests from 2 ELBs within AWS premises. The solution was designed to comply with a HA architecture as the vision dictated the company could have a big growth in terms of customers and consequently requests per minutes.
* creating the whole AWS Infrastructure, Netowrk and platform customisation as well as the CloudFormation Template to automatize the launch in a new environment
* code-reviewing the React & NodeJS Solution
* definition of the entire SDLC within AWS, Travis for CI and Slacks amongst other tools
* defining and planning of each iteration for each developer involved in the project

For more information see: <http://www.stratamap.io>

02-2017 / 07-2017 - Java Consultant - SRTP for MBIE & INZ (Arganout LTD NZ)

* We developed a very sofisticated and confidential JAVA solution for the New Zealand government.
* We tackled several use cases each of us in the team for a massive 5-year project.
* TECHS: JAVA 8, GWT and Tomcat 8 + WSO2

03-2016 / 12-2016 - Java Consultant - New Zealand Transport (Arganout LTD NZ)

I developed:

* an entire new stack of travel information for New Zealand transport agencies
* a REST API for these agencies to publish travelling information in their sites
* a JAVA ETL with JMS for a bulk upload of travelling information
* TECHS: JAVA 8, JAVA GWT, REST stack, TOMCAT 8, ACTIVE-MQ

02-2015 / 10-2015 - Java Middleware Lead Integrator & Consultant – XERO (Clearpoint NZ)

My tasks and responsabilities were the following:

* Architecturing an ancient Xero NON JAVA solution to Scale up and support processing large volumes of data.
* leading the integration and POC of a new JAVA solution to replace this ancient architecture
* Being responsible for network design to support latency and traffic amongst all the systems
* Providing guidance to include Salesforce to replace XERO’s custom and unmaintanable system to be consumned via SOAP calls using Mule CloudHub as the only ESB designed to support the entire company and its future growth.

Given that all the systems were in the cloud and in completely different regions of the world, the design of the network was a very critical aspect of the entire integration as well as the communication and coordination of tasks across different teams/data centers.

06-2014 / 02-2015 - Java Middleware Integrator & Consultant - Sky TV (Clearpoint NZ)

* leading the Milano project, a WSO2 (ESB, BPEL, API) solution to integrate existent media products. I decodified very grey requirements in order to orchestrate the BPEl solution.
* building an ETL process leveraging the use of JMS to achieve concurrency and multiprocessing in order to overcome high volumes and reduce processing times
* I built and tested gateway payment into a clustered architecture that I installed and configured for production servers using a Glassfish 4.1.
* documenting the entire gateway payment to be installed in different environments.
* TECHS: MongoDB, Glassfish 4.1, JS, SQL Server, WSO2, JAVA 7 and more.

03-2014 /06-2014 – JAVA creator –Mytrain (Self employed NZ)

* I developed a transport mobile application for the Wellington region.
* A widget that tells you the time of your next two trains to your destination based on your current location. For more info see <http://mytrainmate.blogspot.co.nz/p/mytrain.html>

08-2013 / 03-2014 - Java Consultant - AMS (FRONDE – NZ)

* Building and fixing an existent MULE ESB solution to introduce Smartco into the AMS’s business model in order to incorporate a new metering provider across the New Zealand network.
* I designed and built a regression test framework with Selenium+WebDriver+Concordion for the Web stacks and for the Mule ESB an strong architecture for functional/Integrations tests built in JAVA 7. See <http://vectorams.co.nz/>

04-2013 / 08-2013 Java Consultant - AMS (FRONDE – NZ)

* architecturing an entire Single sign on solution with spring-web security and Tomcat 7 as the container, hibernate 4, Oracle, JSP, Uniform client library, JQuery 1.9, Tomcat valves and many more. See <http://vectorams.co.nz/>

01-2013 / 04-2013 JAVA Tech lead - JCAPS – Transpower (FRONDE – NZ)

* As the most senior in the team I have trained new members to the team and facilitate the knowhow of Market System and TIP system for these new peers to support the existence infrastructure.
* I have understood the systems first to transfer this acknowledge to the rest of the team.

06-2012 / 12-2012 - Mule ESB – AMS (FRONDE – NZ)

* We designed and architectured a webservice solution to performed within MULE ESB.
* Power metering system is an application that AMS uses to administer and manage power consumption through the installation of smart meter devices in properties of New Zealand.
* We relayed on a CXF standards for the web services architecture.

11-2011 / 06-2012 - ORACLE OSB + SOA application – MOJ (FRONDE – NZ)

* We re-engineered an old fashion technology where we introduced an Oracle OSB solution.
* I implemented the OSB web services for the entires solution within JAX-WS, maven, WebLogic, X.509 Token Authentication; etc.
* I orchestrated some of the functionalities into SOA BPEL.
* For more info see case study below.

07-2011 / 11-2011 Flex Application + Rest Easy web services – MAF / MPI (FRONDE – NZ)

* We built a Flex admin console to facilitate import and export processes of the MAF AP-ECERT certificates that ensure that Risk Management and Food Safety Programmes are followed at premises where meat, seafood and other animal products are processed.
* We have built a REST implementation to integrate with the console with a well defined architecture. With very clear separations between DAO, ansd the business servicess.
* TECHS: DBunit, SpiceFactory framework, ANT IVY as an integration tool and more were selected to approach this project.

05-2010 / 07 – 2011 – PHP/ JQuery Analyst Programmer for E-Commerce - OCULAR FILM NZ

building:

* plugins within a HMVC Kohana framework 3.1 to build AJAX solutions for Elemental Technology to configure GPS watches
* several E-commerce Shops, multi-setting platform within typo3, Magento E-Commerce based on plugins development amongst others BA tasks.
* a web-service as API to encode the pattern with serial number of the computer to allow files to be opened just on the buyer’s machine.
* TECHS: Prototype 1.6, JQuery 1.6, MYSQL 5.1, PHP 5.3 XSLT, XPATH.

12-2008 / 12-2009 - Analyst Programmer & Team Leader – Red Link Bank (Cubika Argentina)

* We built a new multi-settings internet-banking for 38 different banks with customisable transactions and a strong enphasis on the OSE (One Screen experience) philosophy
* We built a core asynchronous platform designed on Java-script controller and spring controllers divided per use cases to handle the magnitude of the solution.
* On the other hand, we built an Adobe Flex console to customise transactions configurations amongst many other items to achieve each different customisation for each bank. Some of them were: Banco Nacion, Banco Provincia, Banco Privado, Banco Meriva, etc.
* I had soon enough been promoted to manage the entire soolution from a technical perspective in conjuntion with the PM of the project applying a scrum methodology for a agile aproach management.
* TECHS: JAVA 6, Tandem mainframe, AJAX, JQuery, JQGrid, JSON stack, ORACLE, SQL Server 2005, Spring, MAVEN, camel libs, apache libs, dynamic jasper report, Eh-cache, Geronimo libs, HDIV libraries, mina-core libs, JSP, HTML, CSS, JS, IDE Eclipse, Enterprise Architect, Xstream, Weblogic application Server, apache 2, firebug, findbug, Junit test, Hudson, Jira & Green Hopper, FindBug Confluence.

07-2008 / 12-2008 - JAVA Analyst Programmer/ Team leader - Carsa (Cubika Argentina)

* We built a super Flex console to manage a CRUD advertisements for electronic warehouse and administering stores and stock that is shared amongst multiple stores.
* I built an ETL process to extract the information of old systems with Spring framework using a transactional model to setup the solution into the new architecture.
* TECHS: Oracle, Hibernate, Spring, Tomcat 6, JAVA 6, Maven, Eclipse IDE, Enterprise Architect, Scrum master

04-2008 / 07-2008 - JAVA/Flex Developer – Cartoon Network LA (Cubika Argentina)

* We built an entire Multimedia & interactive Flex Web platform oriented to entertain kids with creations like the universe, planets, avatars and more interactive components in it.
* The system was built in Adobe Flex, Cairngorm patterns, Spring aspect, Spring core and more.

03-2007 / 12-2007 - JAVA DEVELOPER - CORREO ARGENTINO (Cubika Argentina)

* We built a Java ME Application for pocket PC symbol MC9090-G with Windows Mobile CE 5.0 this application was a register for containers and parcels that the National Post of Argentina used
* The information was synchronized to the server as soon as it was connected to its cradle, therefore we also built a sync module (protocol) to handle this information via Ethernet

07-2009 / 11-2009 - JAVA Analyst Programmer - SELF EMPLOYED (Argentina)

* I built an open source LMS based on OLAT Framework for an English institute and its course organisation.
* TECHS: Apache 2, brasato framework, XHTML, AJAX web 2.0, CSS framework YAML, Portlet, TOMCAT 6, MYSQL 5, SPRING framework, Hibernate, Enterprise Architect.

12-2006 / 07-2007 – JAVA Analyst Programmer - IFS (Argentina)

* I developed a Web solution that consists of a collection of purchases of Treasury fiscal species, trials lost transactions with financial institutions, repayment and acquisitions.
* TECHS: Struts, Mysql MaxDB, SAP J2EE engine, Hibernate, Xdoclet, IDE SAP Net-Weaver, JSP, HTML, CSS, JS, Eclipse IDE, Jaspert reports

01-2006 / 12-2006 – JAVA Analyst Programmer - ASN (American Switching Network) – ARGENTINA

We built:

* a thin client UI solution in JSF, Spring, Hibernate
* A thick client for Eclipse 3.1 RCP SWT, JFace, DB2, JONAS, business patterns like delegate, Open session in view, Aspect, commands, Open Symphony, internationalization
* A Java gateway for an important credit card company followed by the final deployment plan
* A XHTML AJAX client to the gateway core to manage payments, transactions and configuration for grain Industry Company, developed on XSLT, Javascript

4-2005 / 01-2006 - JAVA Analyst Programmer - Guia Practica (ARGENTINA)

* I built and maintained a JSP website with strong focus on the Servlet side
* TECHS: JS, Xalan, Xerces, XML, XForms, Eclipse 3.1, CSS, Postgres, Apache lucene, log4j, Jakarta under LINUX environment

7-2004 / 8-2005 - Web Master & Perl Analyst Programmer - Mercado Magazine (ARGENTINA)

* I improved and maintained pure CGI-PERL web site plus a CMS system also built in PERL to publish online news.
* TECHS: MYSQL, java-script, CSS, HTML on SuSe 7 platform

5-2002 / 11-2003 - Analyst Help Desk - Ministry of Economy (Argentina)

* I assessed to a massive government organization. Within a 10 thousand employees’ organization I applied solid networking routines supporting the entire infrastructure and applications based on Windows platform like 3.11 and XP versions.

**Companies Acronyms:**

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| --- | --- |
| ASN | American Switching Network |
| MOJ | Ministry of Justice |
| MAF | Ministry of Agriculture and Forestry |
| MPI | Ministry of Primary Industry |
| IFS | Idea Factory Solution |
| MBIE | Ministry of Business, Innovation and Employment |
| INZ | Immigration New Zealand |

EDUCATION:

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| **3/2000 - 2008** | **UTN UNIVERSIDAD TECNOLÓGICA NACIONAL Buenos Aires, Argentina**  Systems Engineer of Information Technology (5-year Degree) |
| **6/2004 – 12/2004** | **CORTECH INSTITUTE Buenos Aires, Argentina**  LPIC-1 LPIC-2 (LINUX PROFESSIONAL INSTITUTE CERTIFICATION) |
| **6/2002 – 11/03/2003** | **ACADEMY PROYDESA, Buenos Aires, Argentina**  CISCO CCNA |
| **1994 - 1999** | **INSTITUTO TECNICO INGENIERO HERMINIO ARRIETA Jujuy, Argentina** Chemical technician |

CERTIFICATES/TRAINING

IBM Message Broker V8

JBOSS BRMS, JBOSS SOA/ESB

SCRUM MASTER 2008 Cubika S.A (now GlobalLogic)

E-Commerce, Internet, MS. Net (2001)

3-2004 Seminary Windows Server 2003 and ISA Server 2004

LANGUAGES

**Spanish:** Native

**English:** Second language

**German:** Basic, Basic Commands

INTERESTS

Tennis

Outdoor activities

Reading books and watching movies

Languages and international cultures,

Traveling, music, meeting new people from other cultures and countries.

**REFERENCES**

References supplied on request

Key Skills

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| Technology | Guru Level (1 to 10) | Years |
| Bootstrap CSS | 9 | 1.3 |
| HTML5 | 10 | 6+ |
| NodeJS | 9 | 2+ |
| ReactJS | 10 | 2+ |
| AWS/Infrastructure/Networking | 9/10/10 | 1/10+/10+ |
| CoffeeCloud | 9 | 0.6 |
| TDD | 10 | 3 |
| JAVA/ MAVEN | 10/10 | 10+/10+ |
| Strapi | 9 | 1.5+ |
| Tomcat/Glassfish | 9/8 | 10+/0.7 |
| Weblogic | 8 | 2 |
| MULE | 9 | 5+ |
| WSO2 (ESB, BPEL, Governance Reg) | 8 | 0.5 |
| WEB Technologies/REST | 10/10 | 10+/7+ |
| JMS | 6 | 4 |
| Data Modeling | 9 | 6 |
| UML | 8 | 7 |
| WebServices (JAXB/CXF/JAXWS) | 9 | 5 |
| ETL | 9 | 5 |
| Service Architecture | 8 | 8+ |
| Messaging architecture | 8 | 2 |
| Hibernate/JPA | 9/9 | 8+/5+ |
| SPRING/ Spring Boot | 10/10 | 10+/ 1.5+ |
| ANDROID | 8 | 0.4 |
| XSLT/XPATH | 8 | 3 |
| AJAX | 10 | 10+ |
| FLEX-AS /SpiceFactory | 8/8 | 2/0.5 |
| JAVASCRIPT | 9 | 8 |
| ORACLE/SQL SERVER | 9/9 | 5/4+ |
| MYSQL | 10 | 10+ |
| SDLC | 10 | 10+ |
| J2EE | 10 | 10+ |
| J2ME | 8 | 0.9 |
| XML/J DOM | 9 | 3 |
| ANGULAR | 8 | 0.5 |
| PHP | 9 | 3+ |
| JSP | 10 | 5 |

Others: WSO2 Governance Reg, SOA BPEL, Message Broker, REST easy, ActiveMQ, MQ v7, ORACLE JMS, SpringBoot, SmallTalk, Pascal, Bash and Batch scripting, Photoshop, MotherObjects, H2 EmbeddedDB, Struts 1-2.X, Actionscript, Prolog, JMX, MDB, EJBs, OAuth 2.0, AngularJS, SCRUM, JIRA, Confluence, Firebug, CVS, SVN, Selenium, WebDriver, Concordion-1.4, Mail Servers, Hubs & Switches, Modems, VPN, Proxy Servers, TCP/IP, IP, Web Servers, DHCP, FTP Servers, SSH, Wireshark, Charles web-proxy, Apache ACLs, Linux platform (Suse, Red Hat, Ubuntu, Debian), Mac OS, Windows (All from 3.11).

Faktoora Case Study

Faktoora is a fin-tech startup that provides a B2B platform for accounting and creating invoices. The system automatically notifies the user for example if an invoice is overdue.The React solution is built with the latest libraries and frameworks in the NodeJS market today.

The system is a Strapi REST API integrated with KOA, passport, bookshelf amongst many others with a postgress and a redis on the persistent layer.

For the solution I integrated passport into Strapi to open the REST API to the “exernal world” so partners using an OAUTH token were able to consume our services.

Some of the technologies used in the frontend side were: react, redux, react-router, sass, url-loader, serialize-javascript, react-progress2, querystring, prop-types, immutable, echarts, dropbox and fonstawesome.

We re-designed the new look-and-feel of the website with material-UI.

Furthermore, I built a react native mobile solution to complement the website. The challenge here was to fit statistical graphs into a small screen. As a result of my work on the mobile app the clients of Faktoora were able do business on the go by seeing their daily reports and main activities of their company.

For a overview of Stratamap please see <https://www.faktoora.com/>

StRATAMAP Case Study

Stratamap is a modeling platform for big companies that invest too much money and effort in documenting their solution but with a lack of exposure and collaboration in their daily practices. Today in many companies good practices done by good architects still remain hidden in some degrees.

The promoted platform encourages reusability and collaboration. It allows everyone, technical and non-technical, to gather quick understanding of what a system does. By following the ARCHIMATE standard and leveraging a wiki concept everyone can navigate technical documentation to dive deep into the last layer of a complex sultion in matters of seconds or just a few clicks.

Archimate reduces the number of provided components by a third compared to the popular UML standard.

My role and involvement was across all spaces of the company, starting from architecturing, developing and wiring client connections with the microservice.

I was a technical lead and members of the team consulted me for advice regularily about how to solve problems across the end-to-end platform. A new ReactJS visual tool was also launched with the platform.

I peer reviewed the solutions of all other team members to ensure good practices and patterns applicabilities.

As a result of my work and achievements the company kept evolving and delivering new enhancements. This included some contractors that provided services to us like monitoring AWS uptimes and redundancies of the system.

I fully configured AWS ecoystem/premises and automated the launch of new environments with coffee script to create the required CloudTemplates for AWS.

The backend solution was a JAVA 8 Microservice architecture with a RDS (postgres) and it complied with a HA architecture.

Part of the solution was keeping ARCHI models in sync between the RDS and the Rendered/updated models. The defined CI/CD used S3 and Travis CI to allow multi-deployments.

Finally, I built a protocol for an old thick-client that was still in use to synchronize their models via OAUTH connections.

For a overview of Stratamap please see <http://www.stratamap.io>