Juan Manuel Chouza

Software Engineer

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

I have over 15 years experience in the IT sector, excellent interpersonal skills and strongly believe in the philosophy of teamwork to achieve success. I achieved a prestigious degree in Computer Science at the National University of Technology in Buenos Aires (Argentina).   
I am extremely passionate about pursuing the best solution for each given constraints set that every project/business has in its life cycle.

I consider myself a great problem solver and I love the art of thinking to accomplish the best outcomes and the idea of knocking down technical obstacles. I have strong analytical skills and a great sense of usability.

I spent the last 10 years mastering architectural patterns, scalability and highly available solutions by using PaaS.

WORK EXPERIENCE

07/2019 – Present Romeo Digital – Solution Architect, Dev-Ops & Tech Lead

Working for an innovative small digital agency I design and architectured all kinds of solutions for the Brisbane market to build interactive experiences for clients such as Power House, BBC, Queensland Museum, ANZ, Sunsuper and many others.  
Choosing AWS as the de facto platform for all integrations and solutions. I normally accomplish all the container orchestration with the AWS for automted deploys, scaling, monitoring and management of the solution stack dispensing with any other platform like kubernete to accomplish the same.  
Current technologies use to deliver solutions are: React, NodeJS libraries and Strapi REST API with Postgress Db as well as Mongo within Atlas for clusterization, high availability and data protection.

Elastic Transcoder pipelines for video streaming and VOD streaming.

AWS Cloud Front for headless PWA solutions and AWS Lambda deploys are some of the integrations and solution I have put in place.

05/2018 – 02/2019 Faktoora, Germany - Analyst Programmer

The fin-tech was a NodeJS REST API solution (strapi + postgres + koa + knex + bookshelf + lodash, etc.) and a React front end site to provide an ecosystem for B2B solutions, technologies used were React, sass css, webpack, webpack-dev-server, postgres, amongst many other nodejs libraries.

I also created:

* a test framework on a move to intriduce TDD to existent team (Mocha, chai and chakram)
* an admin console built on React (react-admin + redux-saga and other libraries) for operational support.
* an Odoo (Python CRM) customisation to integrate an invoicing module to our existent platform in order to keep them in sync. For more information see: **Case Study - page 7**

09/2017 – 04/2018 Stratamap, NZ - Tech Lead

My tasks and responsabilities were:

* architecturing a JAVA 8 solution, based on lightweight micro services (Spring Boot + spring MVC) deployed in a AWS cloud environment with a RDS (postgres) and it complied with a HA architecture.
* creating the whole AWS Infrastructure, Netowork and platform customisation as well as the CloudFormation Template to automatize the launch in a new environment
* peer-programming and code-reviewing a React Solution
* definition of the entire SDLC within AWS, Travis for CI and Slacks amongst other tools
* built a protocol for an old thick-client that was still in use to synchronize their models via OAUTH connections.
* defining and planning of each iteration for each developer involved in the project. For more information see: **Case Study - page 7**

07/2017 – 09/2017 – Travelling Europe

03/2016 – 07/2017 - Arganout LTD, NZ

* Java Consultant for MBIE & INZ
* We developed a very sofisticated and confidential JAVA solution for the New Zealand government.(SRTP project)
* 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
* New Zealand Transport

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

*11/2015 – 02/2016 Travelling Europe and visiting family in South America*

06/2014 – 10/2015 Clearpoint, NZ

* Java Middleware Lead Integrator & Consultant for XERO

My tasks and responsabilities were the following:

* Architecturing a non scalable 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.
* Java Middleware Integrator & Consultant for Sky TV
* 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 Mytrain, NZ - self employed

* 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

07/2011 – 03/2014 Fronde, NZ

* Java Consultant for AMS
* 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/
* 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/
* JCAPS / JAVA Tech lead for Transpower
* 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.
* Mule ESB Developer for AMS (Advanced Meetering System)
* 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.
* Java Developer for Ministry of Justice
* We re-engineered an old legacy 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.
* Flex Application + Rest Easy web services for Ministry for Primary Industry
* 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 Ocular Film, NZ - PHP/ JQuery Analyst Programmer

I developed:

* 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.

07/2009 – 11/2009 Self empolyed, Argentina - JAVA Analyst Programmer

I developed:

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

03/2007 – 12/2009 Cubika, Argentina

* Analyst Programmer & Team Leader for Red Link Bank
* 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.
* JAVA Analyst Programmer/ Team leader for Carsa
* 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
* JAVA/Flex Developer for Cartoon Network LA
* 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.
* Java Developer for Correo Argentino
* 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

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

* 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 American Switching Network, Argentina - JAVA Analyst Programmer

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 Guia Practica, Argentina - JAVA Analyst Programmer

* 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 Mercado Magazine, Argentina - Web Master & Perl Analyst Programmer

* 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

EDUCATION:

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| **3/2000 - 2008** | **UTN UNIVERSIDAD TECNOLÓGICA NACIONAL Buenos Aires, Argentina**  Systems Engineer of Information Technology (Diploma 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, foreign languages, 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 |
| High Available/Scalable architecures | 10 | 10 |
| AWS/Infrastructure/Networking | 9/10/10 | 4+/10+/10+ |
| AWS Cloud Formation/ Service Architecture | 10/10 | 2+/8+ |
| Docker / Rancher | 10/8 | 2+/1 |
| CoffeeCloud | 9 | 0.6 |
| TDD | 10 | 3 |
| JAVA/ MAVEN | 10/10 | 10+/10+ |
| Python | 7 | 0.6 |
| Strapi | 9 | 2+ |
| Tomcat/Glassfish | 9/8 | 10+/0.7 |
| Weblogic | 8 | 2 |
| MULE | 10 | 5+ |
| WSO2 (ESB, BPEL, Governance Reg) | 8 | 0.5 |
| WEB Technologies/REST | 10/10 | 10+/7+ |
| JMS | 6 | 7+ 4 |
| ETL / Data Modeling | 9/ 9 | 6 |
| UML | 8 | 7 |
| WebServices (JAXB/CXF/JAXWS) | 9 | 5 |
| NGINX/APACHE | 10/8 | 5+/5+ |
| 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 / Postgres | 10 /10 | 10+ / 3 |
| SDLC | 10 | 10+ |
| J2EE / J2ME | 10 / 8 | 10+ / 0.9 |
| XML/J DOM | 9 | 3 |
| PHP | 9 | 3+ |
| JSP | 10 | 5 |
| Travis/Jenkins/Bitbucket/Gitlab CI/CDs | 10 | 10+ |
| AWS Lambda functions | 1 | 10 |
| Bootstrap CSS | 9 | 1.3 |
| HTML5 | 10 | 6+ |
| NodeJS | 9 | 2+ |
| ReactJS/Redux/Saga | 10/10/10 | 3/2/1 |

**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).

Case Study

Faktoora is a fin-tech startup that provides a B2B platform for accounting and invoiceing. The system automatically notifies user invoices statues. 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 redis databases 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 more information please see https://www.faktoora.com/

https://static1.squarespace.com/static/57eadb00d482e9f4d47482c5/t/5aa6e8c5e2c4832ffcf6fa7f/1558324726258/?format=1500w

https://static1.squarespace.com/static/57eadb00d482e9f4d47482c5/t/5aa6e8c5e2c4832ffcf6fa7f/1558324726258/?format=1500wCase 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. All the stack was developed under a SSO architecture with CAS server as the instance in charge of authorization.

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

As Dev Ops engineer I was the lead in orchestrating other weekly goals. 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 the business.

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

Part of the solution was keeping ARCHI models in sync between the RDS and the Rendered/updated models. Trgough S3 and Travis CI we archestrated multi-deployments and CI/CD

For an overview of Stratamap please see http://www.stratamap.io