Gabriel Ramirez *April 9, 1983*

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Summary

Creative and business-savvy designer of solutions. More than 10 years of expertise across a range of challenges in several business sectors. Ability to combine vision and ingenuity in order to provide a future-proof answer to any problem. Proven leadership capacity. *Areas of expertise include:*

- Software architecture and engineering.
- Full-stack software delopment.
- Agile software development.
- IaaS technologies.
- CD/CI tools.

- Electrical and electronics engineering.
- Hardware and embedded software design.
- Datacenter infrastructure design.
- Network design.
- Leadership.

Experience

Software Natura   Asuncion, Paraguay

Recruited in principle for the experience in Software Architecture and Engineering for establishing a QA policy in the process of software development of a legacy stack, now currently co-leading a team of 6 in order to put in production a microservice architecture for a client requesting an ERP and E-commerce system.

Software Engineer   *Feb '17 – present*

Key Contributions:

- **Definition of the stack to be used during code development.** By using Spring Framework and Netflix OSS, complete REST services are developed by the team.
- **Definition of the ops stack to be used to manage servers and services.** Currently using Apache Tomcat and Spring Boot web app files. The use of Docker and Kubernetes is under test to help in the CD process.
- **Definition of the CD pipeline.** The pipeline now uses only a code repository and with Jenkins, it pushes a new build to the test server, after some basic testing and static code analysis provided by Sonarqube.

QA Engineer   *May '16 – Jan '17*

Key Contributions:

- **Establishing the use of gitflow as the process of code repository management.** Since there was no system before, it was a hard challenge to teach every devolper the full powers of git.
- **Establishing the new modules/layering system of the code.** It was done so it would help writing the before inexistent unit- and integration-tests. End-to-end tests were left to the future, although some smoke tests were written.

Santco SRL   Asuncion, Paraguay

Being a new venture that was moving into providing software products to its clients, the company needed experienced developers in order to help junior developers.

Software Engineer & Team Lead   *Nov '14 – Mar '16*

Key Contributions:

- **Implementing Agile software development by using the Scrum framework.** Since it was a new venture and having all junior developers, the implementation of the framework was not complicated.
- **Establishing the entire technology stack for the company.** Since all the developers had more knowledge of PHP, CakePHP was used with its particular development style. Also, Google Cloud was used as the IaaS provider.

Technoma SACI   Asuncion, Paraguay

Founding member of the company, the original idea was to provide the latest technology to the clients in the solutions handled to them.

Field Engineer   *Mar '10 – Jul '12*

Key Contributions:

- **Defining the technology used for the development of solutions outside the network services.** As the initial clients requested a particular brand for networking solutions, the supporting software for the solutions were manufacted in-house by the use of open source tools like cacti, nagios, and others.
- **Establishing Monitoring-as-a-Service as a business for the company.** Since the company was tied to the hardware that the clients requested, the supporting software was sold as a service to get funding for other ventures.

[CBA SA](#)   Asuncion, Paraguay

A well established company providing SaaS in localized servers, needed some expertise to move into server virtualization and resources allocation

Technology Consultant   *Mar '11 – Oct '11*
  Key Contributions:
  - **Establishing the virtualization and resource allocation stack.** By the use of Citrix XenServer, the virtualization and allocation of resources were possible.

Paraguayan Ministry of Interior   Asuncion, Paraguay

Recruited to help in the design for the Center of Security and Emergencies for the National Police force.

Technology Consultant   *Mar '10 – Mar '11*
  Key Contributions:
  - **Design of the physical infrastucture of the network and datacenters.** Built a resilient optical network able to sustain the transmission and storage in real time of video data.
  - **Evaluation of the winner of the contract for the public bidding of the project.**

[Catholic University of Asuncion](#)   Asuncion, Paraguay

Hired after passing a heavy test, in the beginning because my Electrical Engineering studies matched the necessities of the University. After obtaining the undergraduate degree, moved to the Electronics research lab.

Junior Researcher   *Oct '07 – Apr '10*
  Key Contributions:
  - **Definition of the hardware to be used by the "CompuBus" team.** By the use of microcontrollers and small-factor computers, embedded software developed in C and C++, and also some software in C that communicated with the Linux kernel.

IT Manager   *Oct '05 – Oct '07*
  Key Contributions:
  - **Automating the process of server maintenance.** By using mostly Bash and Python scripts.
  - **Helping in the maintenance of the physical structure of the campus network and computer labs.**

Please refer to [my Linkedin profile](#) for the complete list of work experiences along with recommendations.

Education

University of Leuven   Leuven, Belgium
  Masters degree in Nanoscience and Nanotechnology   *2012 – 2014*
    Area of interest: Bionanotechnology.

Catholic University of Asuncion   Asuncion, Paraguay
  Electrical Engineering (discontinued)   *2007 – 2010*
  Bachelors in Electrical Engineering   *2002 – 2006*

Skills

Technical specialties: Software design and implementation, with(in) a team. Commodore Basic, C, C++, Java, JavaScript, Python, were my first languages (yes, you read that right... that's "Commodore 64 Basic"). Solid knowledge of back-end web technologies, particularly X/YML, JSON, REST. Only basic knowledge of web front-end (jQuery, Angular, React). Linux administration skills: bash, NGINX, Apache, Tomcat, Glassfish, Payara, MySQL, PostgresSQL, SQLServer, cloud (AWS, Azure, Google Cloud), datacenter automation (Terraform), continuous integration (Jenkins), and containerization (Docker).

Natural languages: Spanish *(native language)*, English *(full professional proficiency)*, German *(limited working proficiency)*, French *(elementary proficiency)*.