Gabriel Ramirez *April 9, 1983*

luga.ramirez@gmail.com • +31 626-957064 • luga.ramirez (*Skype*) • lugaramirez (*LinkedIn*) • lugaramirez (*GitHub*) • August Allebeplein 97 • Amsterdam, 1062AB • The Netherlands

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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 development.
- Agile software development.
- IaaS technologies.
- CD/CI tools.
- Electrical and electronics engineering.
- Hardware and embedded software design.
- Data center infrastructure design.
- Network design.
- Leadership.

Experience

Quin — AMSTERDAM, THE NETHERLANDS

Recruited as tech lead for the newly created integration team, later also tech lead of the platform team

Tech Lead *Sep '21 – Present*

Key Contributions:
- **Updating existing services dependencies to latest versions.**
- **Definition of a set of common libraries to be used by the teams.**
- **Standardization of the processes at the backend.** Including git processes, developing processes, pipelines, etc.
- **Architetural update for the backend.** By adding a gateway in front of the services and deprecating the 3-tier approach that prevents team independence and adds infrastructure costs.

Backbase — AMSTERDAM, THE NETHERLANDS

Recruited as a Backend trainer; then moved to the R&D department to help in the development of a new product for the company called "Digital Sales."

Backend Engineer *May '20 – Aug '21*

Key Contributions:
- **Definition of the architecture to create a library of connectors to third-party APIs.** The resulting template is in use to achieve full auto-config capabilities for rapid switching of connectors by the clients.
- **Updating CI/CD pipelines and release the product each cycle.** Changes done to the CI/CD pipeline decreased time-to-test and also allowed faster time-to-release.

Backend Trainer *Jan '20 – May '20*

Key Contributions:
- **Help establishing a new video training format for the sessions.**
- **Improving and documenting the workflow for maintaining the portal that contains training materials.**
- **Training new backend developers.** Due to circumstances, this went on until Sep '20.

Software Natura — ASUNCION, PARAGUAY

Recruited for establishing a QA policy in the process of software development of a legacy stack, then co-leading a team of 8 in order to put in production an ERP and E-commerce system.

Software Engineer *Feb '17 – Dec '19*

Key Contributions:
- **Re-definition of the stack for internal apps.** Due to the changing environment and requests by the main dev team of the client company, microservices and REST services were phased out and a more traditional monolith approach was used, in conjunction with template engines.
- **Updating of an old app to observe tax regulation changes.** By inserting Spring-capable services to the old app in order to use the new services available that observe the change in regulations. The strong time constrain of this update was achieved nonetheless.
- **Definition of the stack to be used during code development.** By using Spring Framework and Netflix OSS, complete REST services was developed by the team.

QA Engineer *May '16 – Jan '17*

Key Contributions:
- **Establishing the use of gitflow as the process of code repository management.**
- **Establishing the new modules/layering system of the code.**

Santco SRL   ASUNCION, PARAGUAY
Recruited to bring experience to a new venture moving into providing software solutions to their customers.
Software Engineer & Team Lead   *Nov '14 – Mar '16*
  Key Contributions:
  - **Implementing Agile software development by using the Scrum framework.**
  - **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, then left to pursue new ventures.
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 infrastructure of the network and data centers.** 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), data center automation (Terraform), continuous integration (Jenkins), and containerization (Docker).

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