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# Nicolás Marguglio

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## about me

I spend most of my professional career maintaining and designing high-scalable Linux systems. More recently, I have been learning how are those systems build from the programming side.

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## admin skills

<b>Tools</b>	emacs, git, tcpdump, nmap, docker, ansible
<b>Servers</b>	Apache, Nginx, Kubernetes, qemu, dnsmasq, qmail, postfix, dovecot
<b>DB</b>	mysql, postgres, elasticsearch, redis, OpenLDAP
<b>OS</b>	Gentoo, Red Hat

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## programming languages

<b>Advanced</b>	common lisp, bash
<b>Intermediate</b>	golang, sql
<b>Previous Experience</b>	erlang, c, javascript, typescript, python, perl, php, glsl, clojure, rust, ocaml, lua

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## idioms

Spanish	Native
English	Upper Intermediate

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## job experience

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### Email Hosting Software Engineer III — Web.com

2017-2018

- Worked on the conversion of a Qmail based mail platform from Gentoo to Redhat.
- Created rpms/spec files.
- Worked on the development of a replacement for Qmail on the platform with a solution based on Dovecot.
- Implemented a logging solution based on Fluentd, Kafka and Postgres. To identify bad actors and blacklist them accordingly.
- Worked on optimizing current web performance, adding cache layers and investigating new load balance solutions.

### Web Hosting Software Engineer II — Web.com

2014-2016

- Continuing to work on customer support escalation.
- Worked on wordpress multinetwork hosting platform, based on nginx and percona cluster (mysql).
- Packaging and maintaining all the software related to the Gentoo based shared hosting platform.
- Maintaing the in-house configuration management tools and related PXE servers and custom kernel build.
- Worked on the development of a nginx based proxy for SSL-termination. Developed in Lua scripts and redis.
- Deployed a Kubernetes cluster for development of internal applications.

- Troubleshooting customer issues on a Unix shared web hosting platform.
- As the last level of support I was responsible of understanding in depth the issue and finding the root cause of it.
- Which consisted of coding issues on the cx code, bad configuration on the server side or missing software configurations.

**Jr. Linux System Administrator — Sols S.A.****2011**

- Network design and deploy of a OpenVPN node and squid proxy. Maintenance and technical support.

## education

2015	Professional Penetration Tester	Base4
2014	Red Hat System Administrator I	IT Collage
2010-2011	Systems Engineering	UTN - Incomplete

## personal projects

<b>Typescript</b>	· reddit <a href="#">image gallery</a> in React
<b>Common Lisp</b>	· several <a href="#">game engines</a> and <a href="#">midi</a> sequencers
<b>Gentoo</b>	· <a href="#">minimal docker</a> images
<b>Bash</b>	· integrate several <a href="#">security tools</a> for automated bug bounty work
<b>Golang</b>	· rss feed generators, from <a href="#">twitch</a> and <a href="#">github</a> api's · command line clients to view <a href="#">comments</a> of different sites
<b>Erlang</b>	· monitor of public <a href="#">dns</a> records
<b>C</b>	· local system <a href="#">monitor</a>
<b>Latex</b>	· this <a href="#">resume</a> , build and published through Github Actions