
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 built from the programming side.

admin skills

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

programming languages

Advanced	common lisp, bash
Intermediate	golang, sql
Previous Experience	erlang, c, javascript, typescript, python, glsl, clojure, rust, ocaml, lua

idioms

Spanish	Native
English	Upper Intermediate

job experience

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 cxx 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

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