Nicolás Marguglio

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about me

I spend most of my professional carrer maintaining and desigining high-scalable Linux systems. More recently, I have been learning how are those systems build 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, perl, php, 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.

Web Hosting Software Engineer I — Web.com 2011-2013

- Troubleshooting customer issues on a Unix shared web hosting platform.
- As the last level of support I was responsable of understanding in depth the issue and fiding 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

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

personal projects

Typescript	· [app](#) to search through irc logs, stored in postgres · reddit [image gallery](#) in React
Common Lisp	· several [game engines](#) · multiple [midi](#) sequencers
Gentoo	· portage [repository](#), to build 3rd party software · [minimal docker](#) images
Bash	· integrate several [tools](#) for automatic recon · html scrapper to download [wallpapers](#) from different sites
Golang	· rss feed generators, from [twitch](#) and [github](#) api's · command line clients to view [comments](#) of different sites · ip's [metadata](#) gatherer, asking different cloud providers ans whois
Erlang	· monitor of public [dns](#) records
C	· local system [monitor](#)
Latex	· this [resume](#), build and published through Github Actions