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 those systems are built from the programming side.

technical skills

programming	common lisp, bash, go, typescript, erlang, awk, jq, elm
tools	emacs, git, tcpdump, nmap, docker, ansible, github actions
servers	apache, nginx, kubernetes, qemu, dnsmasq, qmail, postfix, dovecot
databases	postgres, mysql, elasticsearch, redis, openldap, sqlite
OSs	gentoo, red hat

languages

English	Upper Intermediate
Spanish	Native

job experience

Email Hosting Software Engineer III — Web.com   2017-2018

- Participated in the conversion of the email hosting platform.
    - from one based on *qmail* and *courier-imap*, to one based on *Postfix* and *Dovecot*
    - from *Gentoo* to *RedHat*
    - created rpms of custom patches
    - authored *ansible* playbooks for the new servers
- 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
    - 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* 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 *Linux* 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 customer 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

Common Lisp	· several game engines and midi sequencers
Typescript	· reddit image gallery made with React
Gentoo	· minimal docker images
Bash	· integrate several security tools for automated bug bounty work
Golang	· command line clients to view comments of different websites
Erlang	· monitor of public dns records
C	· local system monitor
Elm	· fully searchable database of tech podcast episodes. Updated daily.
Latex	· this resume, build and published through Github Actions