## Nicolás Marguglio

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### about me

I spend most of my professional carrer maintaining and designing 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

ullet 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      | $\cdot$ several game engines and midi sequencers                     |
|------------------|--|
| ${f Typescript}$ | · 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            |