

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 those systems are built from the programming side.

🔧 technical skills

languages common lisp, bash, go, awk, jq, elm
tools emacs, git, docker, ansible, github actions
databases sqlite, postgres
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 responsible of understanding in depth the issue and finding the root cause of it.
- Which consisted of coding issues on the customer code, bad configuration on the server side or missing software configurations.

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

🎓 education

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

🔗 personal projects

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|-------------|--|
| 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 |