

Gianguido Sorà

Contacts

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Projects

posting-bot	<i>Automatic, interval-based Telegram posting solution</i> <i>posting-bot</i> is a Telegram bot that manages and automates the posting action for a given Telegram channel. It manages adding, removal of posts to be sent, checks and prevents dupes.
n-lambda	<i>AWS Lambda-enabled Telegram bot prototype</i> <i>n-lambda</i> is a Telegram bot that converts any given string - sent as a direct message or via Telegram's inline queries - to a sequence of emojis, mapped 1-to-1 on the standard ASCII alphabet. It started as a joke project running as a standalone software on my server, but then I used it as a learning trampoline to gain knowledge about AWS Lambda. <i>nibberbot</i> is currently up and running on @nibber.bot
g3status	<i>A replacement for i3status</i> <i>g3status</i> replaces the information bar provided by the i3 window manager, by implementing the same JSON-based communication interface and by adding an almost infinite customization degree thanks to its ability to execute shell snippets.
tzw	<i>Bitcoin hardware wallet developed from scratch</i> <i>tzw</i> is my bachelor's degree project. It implements all the basic operations needed to generate and handle Bitcoin addresses, enclosed in an ARM TrustZone container. It interacts with the Bitcoin network via a client running on a computer.
Other projects	<ul style="list-style-type: none">• moboot-pre3: custom-made low-level bootloader for the HP Pre 3 smart-phone• arrrs: serves a custom RSS feed by taking data from existing feeds, and compiling it with the complete post content.• hid-compiler: a small proof-of-concept that compiles ASCII strings into HID scancodes, compatible with the Linux USB HID gadget interface.

Technical skills

Strong	Go, Linux systems, MariaDB
Versed	git, C, Java, Android development, BSD systems, iOS development with Objective-C, AWS Lambda, L ^A T _E X

Education

2019	Bachelor's Degree in Computer Science, Università degli Studi di Salerno. I studied software engineering, with particular focus on software security. In my bachelor's degree thesis, I developed and built a <i>proof-of-concept</i> for new cryptocurrency hardware wallet leveraging the security and data protection facilities offered by the ARM architecture.
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Languages

Italia	Mother tongue
English	Fluent

Interests

Music	I've been practicing guitar since I was 15, and I love everything music-related.
Open source	I love helping the open source community, by submitting patches to various projects. I have a couple of patches and pull requests accepted in the Go's <code>golang.org/x/sys/unix</code> repository as well as the Gentoo's Portage tree.
Mountain Biking	I usually go out for a MTB ride on the local trails about twice a week, to keep myself motivated and healthy.