

Yali Tal

A builder at heart. Navigating the intersection of hardware modding, network defense, and self-hosted systems.

0506697554

yalibayer@gmail.com

github.com/YaliBayer

linkedin.com/in/yali-bayer

EXPERIENCE

Cyber Security Analyst (SOC)

IDF | ongoing

Serving as a Junior Analyst within a military Security Operations Center. My role focuses on real-time network monitoring, identifying system vulnerabilities, and maintaining the integrity of digital infrastructure.

during my service I have gained experience in SIEM and threat analysis, I wrote several reports on identified threats, and created tools to help investigate threats. in addition to my core responsibilities I was responsible for training new analysts.

Service & Operations

Niro Cafe | 2022-2024

Working in a busy cafe serving customers and managing daily operations.

PERSONAL PROJECTS

The NFC Jukebox

ESP32 / IoT

Tap a card, play an album. Physical media for the streaming age - RC522 reader -> ESPHome -> Home Assistant -> Spotify.

Built this because I wanted physical interaction with music. Each NFC card is tied to a Spotify URI. Tap -> MQTT event -> automation triggers playback. The satisfying part is that it feels like putting a record on. Currently have about 12 cards - one per album I actually care about.

Homelab Architecture

Linux / Docker

Private cloud at home. Immich for photos, AdGuard for DNS.

Ubuntu Server + Docker Compose stack. working on replacing all the expensive cloud services with self-hosted alternatives.

Modding

Hardware precision

Custom NH35 movement. designing and building my own watch movements.

designing and building my own watch gives me the freedom to experiment with different designs and reduce the brand tax.

STACK

Splank

windows machines

Linux machines

SPL

Python

Docker

ESPHome

Home Assistant

PC Assembly

Soldering

Hebrew (native)

English (fluent)

"Never stop learning."