

Efe Marko Güldere

Junior Web Developer at JELD-WEN Eesti AS · Rakvere, Estonia

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I build web applications, maintain IT infrastructure, and work on homelab and open source projects in my spare time.

EXPERIENCE

Feb 2024 – present	Junior Web Developer — JELD-WEN Eesti AS Building web applications and keeping the IT infrastructure behind them running.
2022 – Feb 2024	IT Support Technician — JELD-WEN Eesti AS Three internships at the same company, which turned into the developer post above.

EDUCATION

2026 –	Arukad süsteemid ja rakendusinfotehnoloogia — Tallinna Tehnikaülikool Professional higher education in smart systems and applied information technology. Three and a half years at the Kohtla-Järve campus, taught in Estonian. Started August 2026, alongside the job.
2024 – 2026	Junior Developer, EQF level 4 — Viljandi Kutsehariduskeskus AI-driven development, and the programming groundwork that makes it work: object orientation and the basics you need to judge whether generated code is any good. Less about producing code than directing the tools and catching what they get wrong.
2021 – 2024	Junior IT Systems Specialist, EQF level 4 — Rakvere Ametikool Networks and hardware with hands on the kit: CAT 5e through CAT 7 terminated by hand, punched down to 110 blocks and keystone panels, and a rack of Cisco switches and routers cabled to be used afterwards rather than just graded. Also where I learned to coax a configuration page out of an access point too old for a modern browser to render one.

OPEN SOURCE

merged	X-Sense for Home Assistant #275 Every request to the recordings panel returned HTTP 500. A readiness check was shelling out to ffprobe on Home Assistant’s event loop, once per cached clip — 130 blocking-call errors in three minutes on an install with 85 clips. I traced the call chain, moved the check onto a flag recorded where blocking work is allowed, and the panel returned to HTTP 200 with none.
merged	zigbee-herdsman-converters #12992 A device definition for the EZVIZ CS-T10C leak sensor. The generated fallback published a raw alarm bitmap; this maps it to a water_leak sensor and drops the alarm bit the ZCL zone type never sets.

merged

zigbee2mqtt.io #5460

The photograph for that same sensor, cut to the documentation's 512 px transparent-PNG convention.

PROJECTS

- **hyprland-dots** — Most Hyprland setups stitch together other people's widgets, each with its own look and its own bugs. I wrote the whole shell in QML instead — bar, notifications, launcher, on-screen displays — so it behaves as one piece. It is what I run every day.
- **tailboard** — A dozen self-hosted services means a dozen bookmarks and no idea which one is down. Tailboard puts them all on one page with their status, so the homelab has a front door instead of a folder of links.
- **sonic-siphon** — Every YouTube-to-MP3 site is an ad farm that wants your links on its server. This is one Go binary you run yourself: paste a playlist, get the files back, nothing leaves your machine.
- **spawnpoint** — Friends kept asking me to spin up Minecraft worlds, which meant an SSH session every time. Spawnpoint puts start, stop, backups and the server console in a browser, so they can do it without me.
- **ha-elering-ee** — Estonian electricity prices swing hour to hour, but Home Assistant could not see them. This pulls Elering's hourly rates into a sensor, so an automation can hold the dishwasher until the cheap window.
- **esc2pipe** — Some keyboard layouts hide the pipe character behind a combination a laptop cannot produce. This binds it to Escape in fish, so a key nobody uses at a prompt types the one you need constantly.

TOOLKIT

Languages: Go, Python, TypeScript, JavaScript, PHP, Java, Shell, PowerShell

Web and runtime: React, Node.js, Express, Bun, Vite, Tailwind CSS, jQuery, Playwright, Nginx, Apache

Data: MySQL, MariaDB, SQLite, Prisma, phpMyAdmin

Systems and networking: Linux, Windows, macOS, Active Directory, WireGuard, Tailscale, Cisco networking

Editors and tooling: Git, VS Code, VSCodium, Trello

Infrastructure and automation: Docker, Proxmox, Portainer, Ansible, Terraform, GitHub Actions, TrueNAS, DigitalOcean, Home Assistant, ServiceNow

Most used languages: JavaScript, HTML, TypeScript, Java, Python, Shell

Spoken languages: Estonian (Native), English (Professional working proficiency)