

# MATHIAS WAKGARI

## Software Engineer & UI Designer

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### SUMMARY

Software engineer and UI designer who designs and ships production web platforms end-to-end. Developer on client systems spanning AI-powered Telegram commerce, a multilingual platform and fuel station operations, with experience in Shopify e-commerce, NestJS backends, React & Next.js frontends, and telecom-integrated subscription billing for Ethiopian and international companies.

### WORK EXPERIENCE

#### Hapbee – Shopify Developer & Backend Developer

October, 2025 – May 2026

- Used NestJS and TypeScript to implement and maintain new application features, enhance existing functionality, and support integrations with third-party services and Shopify APIs.
- Developed and customized Shopify storefronts using Liquid, JavaScript, HTML, and CSS.

#### Pitron Tech – Full-stack Engineer

April, 2024 – January, 2026

- Built an SMS-based subscription billing integration with Ethio Telecom for an Education Platform, enabling 1000+ paying subscribers.
- Designed and owned React frontends and NestJS/MongoDB backends.

### CLIENT PROJECTS

#### Telegram Commerce – AI Commerce Platform

UI Designer & Developer

- Designed and built an AI commerce platform that lets sellers run their shop entirely inside Telegram: a NestJS/Prisma API, React Mini App, and grammY bot sharing one data model and auth layer.
- Developed an AI product-photo pipeline (background removal, enhancement, logo compositing, model placement) with server-side caching and a review step before saving.
- Shipped multi-channel publishing with bot-verified channel connection, batch posting, and per-channel status tracking.

#### TAF BH – Fuel station operations platform

UI Designer & Developer

- Designed and built a platform replacing a fuel station's paper-based operations (pump readings, tank stock, cash reconciliation), with role-specific interfaces for sales staff, authorizers, and managers.
- Engineered a multi-stage approval workflow with role-based access (JWT, bcrypt) so only approved data affects stock and revenue, plus manager tools for backfills and delta-based corrections.
- Modeled financial and inventory data in MongoDB (per-nozzle readings, evaporation-adjusted tank deduction, derived ledger, shift receipts) and shipped tiered pricing with shared Zod validation on client and server.

#### Beacon Health Consultancy – Multilingual website & CMS

UI Designer & Developer

- Designed and built a production website for a public-health research and consulting organization in 5 languages (English, Amharic, German, French, Spanish), with locale-prefixed routing and localized content.
- Implemented technical SEO and answer-engine optimization: JSON-LD structured data, per-language canonical and hreflang tags, sitemap and robots.txt.
- Developed a secure admin CMS and REST API on PostgreSQL (cookie-based session auth, middleware route protection, server-side API checks, Zod validation) with a BlockNote rich-text editor, image uploads, and text-to-speech for articles.

### SKILLS

- **Frontend:** React, Next.js, TypeScript, Tailwind CSS, Zustand, React Query, Telegram Mini Apps
- **Backend:** NestJS, Node.js, Express, FastAPI, Python, Prisma, Medusa, grammY
- **Data:** PostgreSQL, MongoDB, SQL
- **Commerce & Design:** Shopify, Figma, UI/UX design

### EDUCATION

2021 – 2025 | Addis Ababa Institute of Technology

Bachelor of Science in Software Engineering and Computing Technology