

Bruk Berhane Asfaw

Software Engineer

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SUMMARY

Backend engineer and early hire at ShipShap, a B2B SaaS platform helping businesses manage orders, fulfill shipments, and access carrier and in-house shipping in Kenya. Built core integrations from the ground up across shipping carriers and e-commerce platforms, processing **30k+ shipping labels**. Comfortable owning backend systems end-to-end and picking up new stacks to ship. Remote-first.

EXPERIENCE

Software Engineer · ShipShap

Nov 2020 – Aug 2026 · Remote / Addis Ababa

B2B SaaS platform reducing friction for businesses selling direct to consumers — order management, shipping, payments, and fulfillment.

- Built and owned **DHL Express** integration from scratch (rates, labels, tracking); completed reliable label purchase for enterprise clients, including holiday-aware retry when carrier pickup dates fall on non-business days
- Created **WooCommerce** and **Shopify** platform integrations from scratch and the production **WooCommerce plugin** (OAuth connect, checkout rates, pickup points) — primary plugin author
- Built **G4S** and **Speedaf** carrier integrations for Kenya domestic shipping, including tracking sync and rate logic
- Extended public shipping-labels API, inventory stock tracking, pickup-point checkout, and payment/fulfillment workflows
- Core backend engineer on a 3–7 person engineering team at a 30+ employee company; also owned React Native builds and app store releases in early startup phase
- Supported production issues across label purchase, merchant onboarding, and client-specific integration debugging

Stack: Python, Django, Django REST Framework, Celery, PostgreSQL, Redis, GCP, GKE, Docker, PHP, WooCommerce, Shopify API

Infrastructure Consultant · Independent

Paid consulting · Multi-site deployment

- Deployed **Proxmox** clusters hosting Windows Server systems across sites with unreliable ISP VPN links
- Configured **ZeroTier** inter-site routing and **iptables** filtering as a VPN alternative
- Managed **Active Directory** user provisioning for client operations

SELECTED PROJECTS

ZeroTierB *(beta)*

Android app with a userspace ZeroTier node via patched **libzt**, providing system-wide HTTP proxy access without using the device's VPN slot.

ztnui

Terminal UI (**Go**, Bubble Tea) for managing a local ZeroTier node and self-hosted controller.

SKILLS

Languages: Python, PHP, Go, Java, SQL

Backend: Django, Django REST Framework, Celery, REST APIs, webhooks, OAuth

Platforms: WooCommerce, Shopify, WordPress

Infrastructure: GCP, GKE, Docker, Linux, Proxmox, Redis, PostgreSQL

Frontend (adjacent): React, Next.js, React Native

EDUCATION

B.S. Computer Science · HiLCoE School of Computer Science and Technology · Addis Ababa · 2018 – 2023

Artificial Intelligence and Machine Learning · iD Tech Camps, UC San Diego · 2018

LANGUAGES

English (full professional) · Amharic (full professional)

REFERENCES

Available on request.