

Ashenafi Pawlos

BACKEND DEVELOPER · DEVOPS ENGINEER · AI INTEGRATION ENGINEER

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LOCATION	Addis Ababa, Ethiopia (Tuludimtu Area)		

PROFESSIONAL SUMMARY

Backend Developer who designs, builds, and deploys production-style backend systems across personal, academic, and freelance projects. Works primarily in Python, Go, and JavaScript with Django, Django REST Framework, and FastAPI, and ships REST APIs, cloud deployments on AWS, and Dockerized services with asynchronous processing. Integrates LLMs and RAG pipelines into applications and automates workflows through Telegram bot platforms and background workers. Takes products from idea to deployment with clean, maintainable code and a habit of continuous learning.

TECHNICAL SKILLS

Languages	Python, Go (Golang), JavaScript, SQL
Backend	Django, Django REST Framework, Flask, FastAPI, NestJS
APIs	REST, GraphQL, JWT Authentication, OAuth 2.0, WebSockets, Swagger / OpenAPI
Databases	PostgreSQL, MySQL, SQLite, Redis
Cloud & DevOps	Docker, Docker Compose, Linux, Nginx, Unicorn, Git, GitHub, GitHub Actions, CI/CD, AWS (EC2, S3, RDS, IAM, Route 53, CloudWatch)
Architecture	REST API Design, Clean Architecture, Repository Pattern, Microservices, Monolithic Apps, Asynchronous Processing, Celery, RabbitMQ
AI Integration	AI Agent Integration, LLM Integration, RAG, LangChain, LangGraph, MCP, Prompt Engineering, Vector Databases, AI API Integration
Automation	Python Automation, Telegram Bot Development, API Integrations, Background Workers, Web Scraping, Scheduled Jobs
Testing	Pytest, Unit Testing, Integration Testing, API Testing, Postman

SELECTED PROJECTS

Adulis	Django REST Framework · PostgreSQL · Docker · AWS
Financial platform with escrow, bidding, and wallet management.	
- Designed secure REST APIs for escrow transactions, bidding, and wallet management, protected by JWT authentication and role-based access control. - Modeled transactional data in PostgreSQL and deployed to AWS EC2 with Docker, Nginx, and Unicorn.	
Sebez	Django · PostgreSQL · Celery · Redis
Multi-vendor e-commerce backend for vendors, orders, and payments.	
- Built REST APIs for vendor onboarding, catalogs, orders, and payment flows using Django and a clean, repository-pattern architecture. - Integrated asynchronous order and notification processing with Celery and Redis background workers.	

Azebot

FastAPI · PostgreSQL · Docker Compose · GitHub Actions

Headless e-commerce backend exposing REST APIs for an online marketplace.

- Built product, cart, and order management as documented REST APIs (Swagger / OpenAPI) with FastAPI and PostgreSQL.
- Containerized with Docker Compose and automated builds and deployments through GitHub Actions CI/CD.

Sentinel Auth

Python · JWT · OAuth 2.0 · Pytest

Reusable authentication service for securing application access.

- Implemented JWT, API keys, and OAuth 2.0 flows with role-based access control, audit logging, and time-based two-factor authentication.
- Validated security-critical paths with unit and integration tests in Pytest.

Leneg Quiz Bot

Python · Telegram Bot API · Celery · PostgreSQL · Redis

Telegram quiz platform with scheduling, leaderboards, and admin tools.

- Automated quiz delivery, scoring, and live leaderboards using Celery background workers and scheduled jobs.
- Persisted user progress and rankings in PostgreSQL with Redis-backed caching.

Leneg Contest Hub

Python · Telegram Bot API · Background Workers · PostgreSQL

Telegram contest platform with automated scoring and management tools.

- Developed automated scoring and ranking logic for time-bound contests, processed through asynchronous background jobs.
- Built administration tools for creating contests and monitoring participation in real time.

CrowdKeeper

Python · Telegram Bot API · PostgreSQL · Scheduled Jobs

Telegram community management platform with moderation and analytics.

- Built moderation, subscription tracking, and scheduled reporting through automated background workers.
- Integrated the Telegram Bot API with a Python backend and PostgreSQL storage.

Distributed Ticket Management System

Go · RabbitMQ · PostgreSQL · Docker · Next.js

Microservices-based ticketing platform for issuing and tracking tickets.

- Designed a Go microservices architecture with services communicating over RabbitMQ message queues, backed by PostgreSQL.
- Containerized all services with Docker and delivered a Next.js frontend for ticket management.

EDUCATION

B.Sc. in Software Engineering

Addis Ababa Science and Technology University (AASTU)

Graduated 2026

PROFESSIONAL DEVELOPMENT

- ALX Backend ProDev Program — Backend Engineering.
- Continuous self-directed learning through building real-world projects in backend engineering, cloud infrastructure, and distributed systems.