

WORK EXPERIENCE

- Full-Stack Software Developer — Wawmox Technologies

Oct 2025 – Present

 - Architected and delivered an end-to-end **Healthcare Clinic Management System (HCMS)** using **Laravel, React, and Inertia.js**, automating patient intake, triage, clinical queues, laboratory workflows, and billing across 5 role-based portals.
 - Engineered clinical reporting with **ICD-11 diagnosis tracking**, dual calendar scheduling, automated **AfroMessage SMS notifications**, and multilingual government-compliant HMIS PDF/DOCX generation.
 - Protected data integrity and authorization gates with **180+ automated Pest PHP tests**; optimized Next.js portals with ISR caching for sub-second page loads over constrained mobile networks.
- Backend Developer Intern — Zemnay Tech

Jul 2025 – Sep 2025

 - Built scalable RESTful API endpoints and database services using **Next.js and PostgreSQL**.
 - Designed normalized relational schemas with foreign-key constraints and optimized queries, eliminating data bottlenecks.
 - Resolved cross-origin API integration issues between frontend and backend services to ensure reliable data serialization.
- Software Developer — StartxLabs

Mar 2025 – May 2025

 - Contributed to enterprise CRM development for a telecom client, streamlining customer service resolution workflows.
 - Engineered responsive landing pages for multinational clients with cross-device consistency and mobile performance.
 - Maintained and debugged live production systems, resolving technical bugs and optimizing navigation flows via A/B testing.
- UI/UX Developer — RDXDelta

Dec 2023 – Feb 2024

 - Built accessible, responsive component libraries in JavaScript matching Figma design token specifications.
 - Conducted usability testing protocols and analyzed feedback to streamline multi-step form and task flows.

EDUCATION & ALGORITHMIC FELLOWSHIP

- A2SV (Africa to Silicon Valley) — Remote Track Fellow

May 2025 – Aug 2025

 - Completed intensive competitive programming and DSA training covering graph theory, dynamic programming, and heaps.
 - Solved **100+ competitive programming problems** across LeetCode and Codeforces under strict complexity limits.
- B.Sc. in Computer Science, Minor in Mathematics — St. Mary's University, Addis Ababa

Expected 2026 • Cumulative GPA: 3.6 / 4.0

SELECTED PROJECTS

- Dailybirr — Conversational Micro-Job Marketplace

Python • aiogram • Asyncio • SQLite • Telegram API

Asynchronous gig marketplace for Addis Ababa. Built finite state machines for full gig lifecycles (draft → review → assignment → completion), +251 phone normalization, sub-city taxonomies, and transactional SQLite cascades.
- Inventory Stock Alerts — Serverless Stock Management

TypeScript • Next.js 16 • React 19 • Neon PostgreSQL • Drizzle ORM

Type-safe stock monitoring SaaS featuring dynamic reorder thresholds, automated restock warning states, connection pooling via Neon Serverless Postgres, and end-to-end TypeScript type inference.
- Browser Code Runner — Sandboxed Execution IDE

JavaScript • Monaco Editor • Docker Compose • Judge0 API

Web IDE executing C++, Python, JavaScript, and Java within isolated Docker containers. Built async job polling, execution timeouts, memory limits, and secure standard I/O streaming pipes.
- Expense Tracker — Desktop Accounting System

C# • .NET WinForms • MS SQL Server • T-SQL

Desktop financial ledger with local authentication, budget allocation charts, and parameterized SQL procedures enforcing decimal precision and preventing SQL injection.

TECHNICAL SKILLS & CERTIFICATIONS

Languages:	TypeScript, JavaScript (ES6+), Python 3, C#, PHP, SQL, C++, HTML5, CSS3
Backend & DBs:	Laravel, Next.js API Routes, Django, Node.js, Express, PostgreSQL, MySQL, SQLite, MS SQL Server, Drizzle ORM
Frontend & UI:	React (18/19), Next.js (App & Pages Router), Inertia.js, Tailwind CSS, Monaco Editor, Figma, Design Systems
Tools & DevOps:	Docker, Docker Compose, Git, GitHub, Linux, Vercel, ISR Caching, Pest PHP, REST APIs
Certifications:	Cisco Python Essentials 1 • RDXDelta UI/UX Industrial Certification • Spoken: English, Amharic