

Mistire Daniel

Software Engineer

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PROFILE

Bachelor of Science, BSc

Addis Ababa Science and Technology University

CGPA - 3.52 / 4

Relevant Course Work :- Data Structure and Algorithm, Object-Oriented Programming, Operating System, Database System, Computer Networking, Cyber Security, Distributed Systems, Artificial Intelligence, Machine Learning

05/2022 – 06/2026

Addis Ababa, Ethiopia

PROFESSIONAL EXPERIENCE

Software Developer Intern

Kiftiya Financial Technology

• Designed and deployed the Admin Portal Dashboard for the Unified Interoperable Rural Agent & Network Management Platform, enabling the seamless oversight of financial agents and merchants across multiple service providers.

• Developed and optimized Next.js modules with Redux Toolkit and Spring Boot microservices, significantly improving API response efficiency and reducing dashboard latency.

• Automated role-based user management and security flows, substantially reducing the need for manual administrative interventions.

• Collaborated with a cross-functional team under Agile methodology, leading front-end sprints, performing peer code reviews, and maintaining high code coverage in production modules.

06/2025 – 12/2025

Addis Ababa, Ethiopia

PROJECTS

AASTU-CEMS Campus Event Management System

Final year Capstone Project

• Led a cross-functional team, orchestrating the development of a production-grade campus platform using Next.js, NestJS, and Fast-api.

• Architected a scalable Modular Monolith backend with 20+ independent domains, including real-time support ticketing via WebSocket Gateways and a comprehensive RBAC (Role-Based Access Control) system.

• Engineered a Hybrid AI Recommendation Engine (TF-IDF & SVD) that achieved a 0.38 NDCG@10 score, providing personalized event discovery for the student body based on behavioral and content-based filtering.

• Automated the Graduation Claim workflow, implementing CSV bulk-processing and automated guest pass verification, which streamlined administrative tasks and reduced manual verification time.

• Integrated a multi-channel notification system using Telegram Bot API and persistent dark-mode UI preferences, ensuring a high-fidelity and engaging user experience across all devices.

01/2026 – 05/2026

CosmicBites

Food Delivery Aggregator

• Led the team to architect a high-availability food delivery platform.

• Developed core microservices (Auth, Order, Payment, Notification) using NestJS, Express, and PostgreSQL, implementing a "Database per Service" pattern to ensure strict domain isolation.

• Engineered a robust event-driven architecture using RabbitMQ for asynchronous communication, including distributed referential integrity and automated cross-service data cleanup.

• Implemented platform resilience using Circuit Breaker patterns (Opossum) and integrated external payment providers (Stripe, Chapa).

11/2025 – 01/2026

SKILLS

Frontend:

React (Next.js), TypeScript, Javascripts, Tailwind

Databases

MongoDB, MySQL, Postgress

Version Control

Git, GitHub

Backend:

Django, Nestjs

AI & Generative AI

LangChain, RAG Pipelines, Prompt Engineering, Agentic AI, LLMs, NLP, MLOps

Data Engineering

Data Pipelines, ETL, Event-Driven Architecture, Data Contracts, Time Series

ACHIEVEMENT

10 Academy AI Agent Engineering and Forward Deployed Engineering Training 	02/2026 – 05/2026
<i>FDE Training</i>	
Completed a 720-hour project-based training program with distinction, covering AI agent systems, evaluation methodologies, and enterprise-focused engineering practices.	
ALX Software Engineering Programme – Back-End Web Development Training 	06/2025 – 09/2025
<i>Django Back-end Web Development</i>	
Completed a 4-month intensive program focused on backend development fundamentals, APIs, databases, and modern web technologies.	