

Mikias Gebretsadik

Full-Stack Software Engineer

Addis Ababa, Ethiopia

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Professional Summary

Full-stack software engineer with **5+ years of experience** building **scalable, high-performance web and real-time systems**. Expert in **React, TypeScript, Django, ASP.NET Core, REST API, WebSocket, Redis, and PostgreSQL**. Proven at **recovering failing products**, improving performance, and delivering clean, production-ready systems across the full SDLC.

Core Skills

Frontend Development: React, Redux, TypeScript, JavaScript, HTML5, CSS3

Backend Development: Django, Django REST Framework, ASP.NET Core, C#, Python

Databases & Storage: PostgreSQL, SQL Server, MySQL, Redis

Architecture & Systems: Microservices, Monolithic Systems, WebSockets, Scalable Architecture, Domain-Driven Design, Feature-Sliced Design

Testing & Quality: Jest, Playwright, Pytest, NUnit, xUnit, CI/CD

Security: API Security(JWT, OAuth2, HTTPS, CORS), OWASP Top 10 Awareness

Experience

Full-Stack Software Engineer — YOD Business Solution PLC (Remote)

Mar 2025 – Present

- **Rescued a failing ERP system**, stabilizing critical workflows and eliminating major performance bottlenecks
- Built and refactored **React, TypeScript, and ASP.NET Web API** modules, improving UI responsiveness by **~40%**
- Reduced support requests by **~30%** through system fixes and client training
- Awarded **Certificate of Achievement** for delivering a high-risk project

Software Engineer — Addis Ababa University (Hybrid)

Jun 2024 – Present

- Migrated a legacy system to **React + Django REST**, improving performance by **~60%**
- Delivered **real-time booking and attendance** using WebSockets and Redis
- Designed modular frontend components and scalable REST APIs

Backend Developer — InfraTech Software Company (Remote)

Sep 2024 – Feb 2025

- Built secure **REST APIs** for an Gold Inventory Management System
- Optimized database queries for large-scale operations
- Implemented authentication and authorization following security best practices

Freelance Full-Stack Developer — Various Platforms

Jan 2019 – Present

- Delivered **web applications, dashboards, and APIs** for clients globally using **React, TypeScript, Django, and ASP.NET Core**
- Implemented **real-time systems, REST APIs, and database optimizations**, achieving client satisfaction ratings above 95%
- Managed full project lifecycles including requirements analysis, development, deployment, and maintenance
- Built **custom CRM, inventory, and scheduling systems** for startups and SMEs

Projects

AAU Multimedia Booking System – React, TypeScript, Django REST, Redis, WebSockets
End-to-end rewrite using **DDD** and **Feature-Sliced Design** with real-time booking and attendance

Automatic University Scheduling System – ASP.NET, SQL Server implemented a **genetic algorithm** for conflict-free scheduling at scale

Education

- **B.Sc. in Computer Science** — Saint Mary's University
CGPA: **3.98 / 4.0**

Certifications

- [API Penetration Testing \(APIsec University\)](#)
- [API Security Fundamentals](#)
- [Artificial Intelligence Fundamentals](#)
- [Advanced C# Programming](#)

Languages

- Amharic (Native)
- English (Full Professional Proficiency)