



## Eyosiyas Girma Retta

**Date of birth:** 30/03/1999 | **Nationality:** Ethiopian | **Gender:** Male | **Phone number:**

(+251) 911139074 (Mobile) | **Email address:** [eyosiyasgirma0@gmail.com](mailto:eyosiyasgirma0@gmail.com) |

**Address:** Addis Ababa, Ethiopia (Home)

### WORK EXPERIENCE

03/2023 – CURRENT Addis Ababa, Ethiopia

#### SOFTWARE ENGINEER TILTEK TECHNOLOGY PLC

- Spearheading the development of a video streaming and selling platform.
- Involve as a lead project manager from requirement gathering to development and testing.
- Design the system to handle high traffic with no downtime and maximum capacity.
- Document, implement and separate use cases into micro services and utilizing industry standard tools to for monitoring and service orchestrating.
- Integrating multiple payment gateways external services such as Payapl, Paymongo, Paymaya and Authorize.net to the system.
- Creating video trans coding service for generating HLS (HTTP Live Streaming) chunks for videos.
- Collaborating with cross-functional teams, including designers and product managers, to achieve project goals and deliver on schedule.
- Contributing to code reviews and providing mentorship to junior developers

11/2019 – CURRENT Addis Ababa, Ethiopia

#### FREELANCE SOFTWARE DEVELOPER

As a freelance software developer, I specialize in creating tailored software solutions that meet diverse client needs. My projects encompass web and mobile application development, API integrations, and system optimizations. I pride myself on delivering high-quality code, ensuring user-friendly interfaces, and maintaining clear communication throughout the project lifecycle. With a focus on innovative problem-solving, I strive to transform client ideas into functional and efficient products that drive success.

11/2022 – 02/2023 Addis Ababa, Ethiopia

#### PART-TIME INSTRUCTOR ADDIS ABABA UNIVERSITY | ADDIS ABABA INSTITUTE OF TECHNOLOGY CAMPUS

- Delivered **Distributed System Programming** course.
- Preparing course materials for students
- Preparing slides, hand out notes and references for students.
- Breaking down complex subject into palatable pieces.
- Demonstrating the subject material with the latest industry technology.
- Taking continuous assessments and assigning course projects.

07/2022 – 10/2022 Addis Ababa, Ethiopia

#### SOFTWARE ENGINEER NIGUS SPORT BETTING

- Designed visually appealing and user-friendly interfaces.
- Deep experience in writing maintainable code and documenting for users.
- Implemented robust client-side input validation to enhance data integrity and security.
- Collaborated with teams to deliver high-quality software products in a fast-paced environment.
- Demonstrated problem-solving skills by identifying and resolving errors encountered during development.
- Utilized Git/GitHub for version control, enabling efficient collaboration and code management.

06/2021 – 09/2021 Addis Ababa, Ethiopia

#### SOFTWARE ENGINEERING INTERN YAZMI TECHNOLOGY CONSULTANCY P.L.C

- Designed and implemented e-learning system that runs over a satellite network.
- Conducted comprehensive various testing to ensure reliability and adherence to requirements.

- Demonstrated strong problem-solving skills by identifying and debugging errors encountered during the development process.
- Leveraged modern web development technologies to build reusable and interactive user interfaces for web applications.

## ● EDUCATION AND TRAINING

---

10/2017 – 07/2022 Addis Ababa, Ethiopia

**B.SC IN SOFTWARE ENGINEERING** Addis Ababa University

---

Object Oriented Programming I & II, Data Structure & Algorithm, Fundamental of Database, Software Engineering I & II, Software Project Management, Software Quality Assurance, Applied Mathematics I & II, Discrete Mathematics, Mobile Programming I & II, Web Programming I & II, Networking, Operating System, System Programming, Computer Architecture and Organization, Distributed System Programming, Distributed and Object Database, Big Data Modeling, Robotics, IT Security, Advanced IT Security

**Address** NBH1, 4killo King George VI St, Addis Ababa, Addis Ababa, Ethiopia | **Final grade** 3.78

## ● PROJECTS

---

2024 – 2024

**Telegram Advertisement Platform**

---

I developed ETH-TG from the ground up over the last few months—the first Telegram advertising platform in Ethiopia. I conceptualized the entire project, from ideas to code. Advertisers can publish their ads under specific categories and price limits. Channel owners who have integrated their Telegram channels with our system can easily select ads from the listings and publish them in just a few steps, ensuring that advertisements are posted correctly and payment transactions are seamless.

**Link** <https://ethtg.com/>

2023 – CURRENT

**Talguu**

---

As a Senior Full Stack Developer in a video selling/streaming web application, I leverage a versatile technology stack to deliver a robust and feature-rich platform. In the backend, I utilize MySQL as the database management system, ensuring efficient data storage and retrieval. To interact with the database and handle complex queries, I integrate Sequelize, an ORM (Object-Relational Mapping) library, which simplifies data manipulation and enhances code readability. In the frontend, I employ Ant Design (antd) as the UI library, which allows me to rapidly create elegant and responsive user interfaces. The powerful and customizable components provided by antd facilitate a seamless user experience. Additionally, I harness the capabilities of Tailwind CSS, enabling me to build modern and visually appealing UI elements, ensuring consistency across the application. To optimize communication between microservices and enhance scalability, I incorporate RabbitMQ as a message broker. This enables asynchronous message passing and ensures the smooth handling of tasks, promoting a seamless and responsive user experience. With this versatile tech stack, I am able to design, develop, and maintain a cutting-edge video selling/streaming web application. I consistently strive to deliver high-quality code, efficient data management, and a user-friendly interface, driving the success of the platform and contributing to a thriving user base.

**Corporate Ethiopia**

---

Corporate Ethiopia is a feature-rich job listing web application developed using Django. This powerful platform offers an intuitive and user-friendly experience for both administrators and job seekers. Admins have complete control over managing companies and job listings through a streamlined interface, allowing them to efficiently post and update opportunities. Users can easily search, filter, and view job listings, enabling a seamless job-hunting experience. With Django's robust framework at its core, Corporate Ethiopia ensures secure data management and user authentication, making it a scalable and reliable solution for connecting job seekers with potential employers in Ethiopia.

**Online Tracking & Scheduling For City Buses**

---

The online bus scheduling system is a robust and user-friendly platform that revolutionizes the bus transportation industry. With its advanced features, bus provider companies can generate efficient schedules by analyzing and leveraging previous data, optimizing their operations for improved service delivery. The system's data-driven approach ensures better route planning, reduced wait times, and increased overall efficiency, ultimately leading to enhanced customer satisfaction. Commuters, on the other hand, benefit from the real-time tracking and search functionalities, allowing them to access up-to-date information on bus locations and schedules. This empowers travelers to plan their journeys more effectively, making their daily commute more convenient and predictable. With the integration of

cutting-edge technologies, the online bus scheduling system transforms the way people travel, making bus services more reliable, efficient, and accessible for both bus providers and commuters alike.

I was the lead project manager and developer on the project. I manage & distribute tasks, prepare documentations and participated in the design and development process.

## ● **HONOURS AND AWARDS**

---

### **Honors and awards**

---

- Received a certificate that acknowledges and honors my exceptional academic achievement for graduating with a significant level of distinction.
- Received a certificate for participating on summer youth's volunteer service as a teacher from Yeka sub city woreda 02 youth and sport office.

## ● **ORGANISATIONAL SKILLS**

---

### **Job Related Skills**

---

- **Programming/Scripting Languages:** Java, C#, JavaScript, TypeScript, Python, Dart, SQL, C, Go (Familiar)
- **Databases:** PostgreSQL, MySQL, MongoDB
- **Frameworks:** React, Node, Nest, Asp .Net Core, Flutter, Django, SpringBoot
- **Environment & Tools:** Linux, Nginx, RabittMQ, Redis, PM2, Docker, Kubernetes (Familiar), Git, GitHub, Trello