

Kaleab Alemayehu

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EDUCATION

Bahir Dar University

Bachelor of Engineering in Software Engineering

Bahir Dar, Ethiopia

Jun. 2021 – Jun 2025

EXPERIENCE

Fullstack Developer

Minab IT Solutions

Jul 2024 – Nov 2024

Addis Ababa, Ethiopia

- Design and implement a robust web-based administration panel that Hahujobs CMS uses.
- Develop an SDK for ArifPay Integration using Golang.
- Integrate Arifpay into the Internal Product.

Backend Intern

Kuraz Technologies

Jun 2024 - Sep 2024

Addis Ababa, Ethiopia

- Develop a Payroll Management System
- Led a team of 6 interns in developing assigned projects under the guidance of an advisor, ensuring successful execution and collaboration throughout the process.

PROJECTS

Drivee | Golang, Vue.js, PostgreSQL, Docker, Memcached, TailwindCSS

May 2025 – Present

- Building a peer-to-peer car rental platform where users can list and rent vehicles.
- Developed the backend using Go's **net/http** for REST APIs.
- Created the frontend with Vue.js, using TailwindCSS, without any external UI libraries.
- Added Google and Twitter (X) SSO for login and user data access.
- Used Memcached to speed up response times by caching frequent API data.

Eagle Commerce | Golang, NATS, MongoDB, Docker, Microservices, Hexagonal Architecture

Jul 2025 - Jul 2025

- Designed and developed a distributed e-commerce backend using Hexagonal Architecture. The system consisted of **order-ms**, **payment-ms**, **product-ms**, **user-ms**, and an **api-gateway**.
- Implemented RESTful APIs using **Go-Chi** across all services.
- Utilized **NATS** for asynchronous, event-driven communication between services.
- Built a robust API Gateway to proxy requests to services and enforce rate limiting.
- Leveraged MongoDB for efficient document-based data storage across services.

Werewolf Game Bot | Go, PostgreSQL, Docker, Event-Driven Architecture, Pub/Sub

Aug 2025 – Present

- Engineered a Werewolf Telegram bot in Go, used by multiple groups, applying Clean Architecture and a custom Pub/Sub event broker to manage concurrent, real-time game state.
- Managed data persistence with PostgreSQL, using **golang-migrate** for schema evolution and **sqlc** to generate type-safe, production-ready data access code from raw SQL.
- Optimized application performance to drive a 4x reduction in hosting costs and authored a public [blog](#) post detailing the bot's event-driven design.
- Established a reproducible development and deployment environment using Docker and Docker Compose.

Foodopia | Nuxt.js, Golang, PostgreSQL, Hasura, Apollo GraphQL, Docker, Flowbite

Jun 2024 – Jul 2024

- Built a recipe-sharing platform with user authentication, recipe creation, editing, filtering, and bookmarking.
- Used Hasura as the GraphQL engine and Gin (Go) for custom webhook handlers with a PostgreSQL database.
- Developed the frontend using Nuxt.js with Flowbite as the UI component library.

Audiobook Downloader Bot | Grammy.js, TypeScript, JSDOM

Aug 2024

- Built a Telegram bot that downloads audiobooks by scraping search results from the web.
- Implemented inline keyboard interactions using Grammy.js and TypeScript.
- Built a web scraper using JSDOM and the Fetch API to extract audiobook links from search results.

TECHNICAL SKILLS

Languages: Go, Typescript, Javascript, SQL (Postgres), Python, Lua, C/C++, HTML/CSS

Frameworks: Vue, Nuxt, Gin, Hugo, Node.js, TailwindCSS, headless-UI, flowbite

Developer Tools: Git, Docker, Neovim, Linux, Nix, VS Code

Technologies: NATS, GraphQL, PostgreSQL, MongoDB, Redis, Memcached