

Natnael Meseret

Addis Ababa, Ethiopia

natnael0meseret@gmail.com

<https://nati43.pro>

OBJECTIVE

I am a computer science graduate with 5+ years of experience . I'm always up for challenges that will help me grow my technical and personal skills. I strive to create a positive impact on my community.

WORK EXPERIENCE

Golang Developer

ScrumLaunch LLC

July 2022 - Present

- Setup a **data migration flow** that ensures transition from a legacy structure to a desired structure for our relational database with options to rollback and make corrections if need be.
- Implemented Integration with **QuickBooks Online (QBO)** as an **OAuth 2.0 client** for syncing end users' customers, products & services, and invoice data with their QuickBooks accounts with version tracking across multiple qb accounts.
- Implemented **RESTful APIs** and wrote API and system **documentations**.
- Setup **role based access control (RBAC)** and APIs to manage roles and permissions from a management portal.
- Handled **deployment and monitoring** operations in AWS for **staging** environments and assisted in **production** environments.
- Implemented APIs with queries that run across **relational(postgres)** and **non-relational(mongodb)** databases to aggregate and fetch **system usage statistical data** displayed on a management portal.
- Implemented a utility function for **compressing and downsizing** user uploaded images when needed.
- Implemented a **file system watcher** service as an **OAuth 2.0 client** for automated transfer of ticket/receipt files from asphalt plants running **B&S Light'S EZ loader system**.
- Setup **GitLab CI pipeline** for **building and packaging** the service above as a **windows background startup service** for persistence and robustness.
- Implemented **APIs for exporting** formatted ticket/receipt data for **maestro*ERP's accounting tool**.
- Implemented **APIs for importing** bulky data from excel files with options to undo imports and make corrections if need be.

EDUCATION

Addis Ababa University, Addis Ababa

September 2015 - June 2019

Bachelor of Science in
Computer Science

TECHNICAL SKILLS

Programming : GoLang,

JavaScript, TypeScript, NodeJs

Frameworks/Libraries : Echo,
VueJs, React, Bootstrap,
jQuery

Database : MySQL, Postgresql,
MongoDB

Version Control : Git

Collaboration : Github, Gitlab,
Bitbucket, Jira, Clickup, Slack

Operating Systems : Linux

Others : Firebase, Docker,
RabbitMQ, GCP, AWS, Heroku

PERSONAL SKILLS

- Problem solving
- Organization
- Time management
- Communication
- Fast learner

LANGUAGES

- Amharic
- English

REFERENCE

Will be provided upon request.

Senior Software Developer

Elnet Technologies Plc, Addis Ababa

July 2021 - November 2024 (Part-time)

- Implemented multiple payment method integrations for the **Taxiye** ride hailing app using **NodeJs**.
 - **HelloCash**
 - **M-PESA**
 - **PayPal**
 - **Amole** (through a payment aggregator platform)
 - **TeleBirr** (through a payment aggregator platform)
- Implemented backend for **TopUp**, **CashOut**, and **Payment** features using the above integrations for **Taxiye**.
- Implemented backend for payment method related settings.
- Implemented an automated lottery feature for **Taxiye**.

Senior Software Engineer

Derash Technologies, Addis Ababa

April 2020 - February 2022

- Built several UI components for the company website using **VueJs** and **Bootstrap**.
- Worked on a business process automation(**BPA**) **SaaS** platform called **Mengede** as a full stack developer. It automates the ticket sales process of intra-country bus companies and makes online reservation features available to customers.
- Built **RESTful API** backend for several resource management features.
- I implemented a real-time synchronization feature (between several ticket stations and online public users) using **websockets**. It synchronizes both seat interactions and reservations.
- Built a **mobile first** public portal for online seat reservations.
- I used **GitLab** as a repository hub and also configured it as a container registry for the project using the **GitLab CI** service.
- I used **docker** to containerize the project environment (**Go** application + **MySQL** database + **Nginx** reverse proxy for possible future sub services).
- I created a **VM** on **AWS** and configured it as a web server for the containerized project.
- I generated **Letsencrypt** **SSL** certificates for the **VM** using **certbot**.

Associate Software Engineer

Miltolabs(now Kolli Software. Eng & Cons. Plc), Addis Ababa

March 2020 - December 2020

- Built microservices that follow the **Command Query Responsibility Segregation(CQRS)** and **Event Sourcing** patterns.
- Utilized **MongoDB** as an eventstore for event sourcing pattern.
- Wrote service functions that publish and consume events to and from the eventbus(**RabbitMQ**).
- Used **Docker** to containerize the different microservices.

Software Engineer

Miltolabs(now Kolli Software. Eng & Cons. Plc), Addis Ababa

November 2019 - February 2020

- Built **Microservices** for a payment solution using Go.
- Created and managed **linux service files** for different microservices. This helps auto restart a microservice when it crashes.
- Installed and configured **Nginx** as a reverse proxy to act as an **API gateway**.
- Developed web services using **REST** architectural style.
- Built **connector modules** for two core banking systems(**Temenos T24** and **FlexCube**) using Go.
- Worked on **frontend portals** that interact with REST APIs using VueJs.
- Wrote JavaScript functions that utilize the **firebase** API for some of the features we had.
- Built a **websocket** backend that serves updates using Golang and frontend components that interact with it using VueJs.
- Created **diagrams** and **mind maps** that illustrate **system architectures** and interaction patterns.

Intern Junior Software Engineer

MiltoLabs(now Kolli Software. Eng & Cons. Plc), Addis Ababa

July 2019 - October 2019

- Got training on Overview of Software Engineering, **Go**, **Echo**, and **VueJs**.
- Introduced the team with a mind map tool called **Coggle** which is being used as a communication tool.
- Configured **firewall** and **DNS** on **google cloud platform**.
- Setup a VM on GCP as an initial deployment environment by installing the Go environment and configuring environment variables.

- Built the company website using VueJs.

Intern Software Developer

Sheger Mass Transport Service Enterprise, Addis Ababa

June 2018 - August 2018

- Developed a web based ticket management system.
- Worked as a full stack developer in the team.