Natnael Meseret

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OBJECTIVE

I am a computer science graduate with **3+** 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

Senior Software Developer

Elnet Technologies Plc, Addis Ababa

July 2021 - Present (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.

EDUCATION

Addis Ababa University, Addis Ababa

September 2015 - June 2019

Bachelor of Science in Computer Science
Graduated with a GPA of 3.87 (on a 4.0 scale)

TECHNICAL SKILLS

Programming : JavaScript / TypeScript, GoLang, NodeJs, PHP
Frameworks/Libraries : VueJs, Angular, Echo, Laravel, Bootstrap, JQuery
Database : MySQL, Postgresql, MongoDB, SQLite
Version Control : Git
Collaboration : Github, Gitlab, Bitbucket,
Operating Systems : Linux (main driver), Windows
Others : Firebase, Docker, RabbitMQ, Google Cloud Platform(GCP), Amazon Web Services(AWS), Heroku

PERSONAL SKILLS

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

LANGUAGES

- Amharic
- English

- 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.