


Endriyas Yeshidniber Masresha


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08/12/1996

CONTACT

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ABOUT ME

Software Engineer. Full-Stack JS Developer. Data Analytics Enthusiast. Generalist and Discourse Wonk.

WORK EXPERIENCE

08/02/2021 – CURRENT – Addis Ababa, Ethiopia

Senior Software Developer

eHealth IT Services PLC

- Modifying software to fix errors, adapt it to new hardware, improve its performance, or upgrade interfaces.
- Directing system testing and validation procedures.
- Directing software programming and documentation development.
- Consulting with departments or customers on project status and proposals.
- Working with customers or departments on technical issues including software system design and maintenance.
- Analyzing information to recommend and plan the installation of new systems or modifications of an existing system.
- Consulting with engineering staff to evaluate software-hardware interfaces and develop specifications and performance requirements.
- Designing and developing software systems using scientific analysis and mathematical models to predict and measure outcomes and design consequences.
- Preparing reports on programming project specifications, activities, or status.
- Conferring with project managers to obtain information on limitations or capabilities.

endriyas.y@orbithealth.co / <https://orbithealth.co/> / Djibouti Street Bole Sub city, Woreda 03 Winta Building 3rd Floor, Addis Ababa, Ethiopia

01/03/2020 – 30/01/2021 – Addis Ababa, Ethiopia

Software Development Engineer

G2G IT Solutions SC

- Modifying software to fix errors, adapt it to new hardware, improve its performance, or upgrade interfaces.
- Directing system testing and validation procedures.
- Directing software programming and documentation development.
- Consulting with departments or customers on project status and proposals.
- Working with customers or departments on technical issues including software system design and maintenance.

Software Engineering / Professional, scientific and technical activities / endriyas.yeshidniber@g2gitsolutions.com / [http://
www.g2gitsolutions.com/](http://www.g2gitsolutions.com/) / Addis Ababa, Ethiopia

01/09/2019 – 29/02/2020

Software Development Engineer

Minab I.T. Solutions PLC (HahuJobs)

- Orchestrate efficient large-scale software deployments, including testing features and correcting code
- Gather and define customer requirements to develop clear specifications for creating well-organized project plans
- Discuss project progress with customers, collect feedback on different stages and directly address concerns
- Meet with project manager and team members to provide detail project reports and milestone updates

- Consult with engineering team members to determine system loads and develop improvement plans

<http://minabtech.com/> / Addis Ababa, Ethiopia

01/06/2018 – 01/09/2018

Internship Trainer

Minab I.T. Solutions PLC (HahuJobs)

- Attended development process of systems for different clients, collaborated with development team to know different market place programming frameworks like nodejs, expressjs, loopbackjs, angularjs and vuejs and databases like mongodb
- Learn how to manage software projects and maintain them

<http://minabtech.com/> / Addis Ababa, Ethiopia

EDUCATION AND TRAINING

01/09/2015 – 30/06/2019 – +251 11 888 0606, Addis Ababa, Ethiopia

Bachelor of Science

Addis Ababa Science And Technology University

Field(s) of study

- Software Engineering

3.96 | TenaData Electronic Medical Record System | <http://www.aastu.edu.et/>

01/09/2011 – 30/06/2015 – Mehal Meda, Ethiopia

High School Diploma

High School Diploma

- Graduated as Top of Class

LANGUAGE SKILLS

MOTHER TONGUE(S): Amharic

OTHER LANGUAGE(S):

English

Listening
B2

Reading
C1

Spoken production
B2

Spoken interaction
B2

Writing
C1

DIGITAL SKILLS

Programming Languages

C++ / Java / C# / Dart / JavaScript / TypeScript

Web and Mobile Frameworks

NodeJS / Hasura / ExpressJS / LoopBack / VueJS / Vuex / Vuetify / Flutter / Spring Boot

Databases

PostgreSQL / MongoDB / MySQL

DevOps

Nginx / Docker / REST / GraphQL / Git / Unit Testing / Kannel / Microservices / CICD / Insomnia / Postman / Swagger / SOAP

Computer Operating Systems

Linux / Windows

Project Management

Agile (Scrum) / Jira / Slack / Trello

PROJECTS

01/09/2020

CRM System

Customer relationship management is the process of managing interactions with existing as well as past and potential customers. I'm the one who designs and implements this project. I use the micro-service architecture approach. Having all companies' customers and the services integrating with Sales, Billing, Customer Care, and communication.

The development tools are the following,

- On the back-end side, I use Hasura as a GraphQL API engine and Authorization and LoopBack as serving system business logic.
- On the front-end side, I use Vuejs (with Nuxt, Vuex, and Vuetify).
- I use docker to package and run an application in a loosely isolated environment.
- I use Nginx to serve, reverse proxying, load balancing the backend project.
- I use PostgreSQL as a database.
- I use GitLab as a Git-repository manager, issue-tracking, and continuous integration and deployment of pipeline features.

01/09/2020 – 30/09/2020

Stock Management

I was the only person building the whole project starting from the design to implementation. The essence of this project,

- Listing the car GPS and SpeedLimiter devices.
- Create customer information.
- Persist the device sale information for a given customer.
- Send a report to the authorized government body to describe how many devices and cars have been connected.

The development tools are the following,

- On the back-end side, I use LoopBack as serving business system business logic.
- On the front-end side, I use Vuejs (with Nuxt, Vuex, and Vuetify).
- I use docker to package and run an application in a loosely isolated environment.
- I use Nginx to serve, reverse proxying, load balancing the back-end project.
- I use MongoDB as a database.
- I use GitLab as a Git-repository manager, issue-tracking, and continuous integration and deployment of pipeline features.

01/07/2020 – 31/08/2020

CMS for MikroTik RouterOS

I was the only person building the whole project starting from the design to implementation. The essence of this project is listing the IP addresses (customers and sites), who use internet service from the company. The main work is

- Understanding the way MikroTik saves the IP and pull information from it.
- Create new site and customer information.
- Enable and Disable customer internet connection by integrating it with billing cycle.
- Connect the billing information with SMS service and notify customers when error, malfunction and billing informations ontime.
- Create contact information for customers.

The development tools are the following,

- On the back-end side, I use LoopBack as serving business system business logic.
- On the frontend side, I use Vuejs (with Nuxt, Vuex, and Vuetify).
- I use docker to package and run an application in a loosely isolated environment.

- I use Nginx to serve, reverse proxying, load balancing the back-end project.
- I use MongoDB as a database.
- I use GitLab as a Git-repository manager, issue-tracking, and continuous integration and deployment of pipeline features.

01/04/2020 – 30/06/2020

EVD System

Electronic Voucher Distribution (EVD) System is a way of distributing prepaid voucher cards electronically to end users through various sales channels. EthioTelecom uses this service as an alternative option to distribute airtime pin cards and related services.

I was the back-end and front-end developer also act as a project manager.

- On the back-end side, I use Hasura as a GraphQL API engine and Authorization and LoopBack as serving system business logic.
- On the front-end side, I use Vuejs (with Nuxt, Vuex, and Vuetify).
- I use docker to package and run an application in a loosely isolated environment.
- I use Nginx to serve, reverse proxying, load balancing the backend project.
- I use PostgreSQL as a database.
- I use GitLab as a Git-repository manager, issue-tracking, and continuous integration and deployment of pipeline features.

01/03/2020 – 30/04/2020

VAS System (MO and MT SMS)

I was the only person building the whole project starting from the design to implementation. The essence of this project is giving the companies a Value Added Service using EthioTelecom SMS service. The main work is to connect the companies server with EthioTelecoms SDP server using VPN. We used Kannel as SMS gateway (used as converting HTTP to SMPP request and much more SMPP configurations).

- On the back-end side, I use Hasura as a GraphQL API engine and Authorization and Express as serving business system business logic.
- On the front-end side, I use Vuejs (with Nuxt, Vuex, and Vuetify).
- I use docker to package and run an application in a loosely isolated environment.
- I use Nginx to serve, reverse proxying, load balancing the back-end project.
- I use PostgreSQL as a database.
- I use GitLab as a Git-repository manager, issue-tracking, and continuous integration and deployment of pipeline features.

This system has been used by several FM radio stations and NGOs to connect to their audience and employees.

01/09/2019 – 29/02/2020

HahuJobs ERP

This project was designed as a microservice architecture. Each module has its database, server, and UI using the central user base. I took part in building the backend using Loopback with REST API, frontend using VueJS, and as database Postgres and MongoDB. The modules that I took part in were,

- Registration
- Attendance
- Training
- Payroll

HONOURS AND AWARDS

29/06/2019

Graduation Gold Medalist from Engineering – Addis Ababa Science and Technology University

- Graduation honor for my academic achievement from Engineering.
- Having 3.96 as a CGPA.

29/06/2019

Graduation Trophy Cup from College of Electrical and Mechanical Engineering – Addis Ababa Science and Technology University

- Graduation honor for my academic achievement from College of Electrical and Mechanical Engineering.
- Having 3.96 as a CGPA.

ORGANISATIONAL SKILLS

Mental organizational Skills

- Analysis
- Assessment and evaluation
- Communication
- Creative thinking
- Working with data
- Documentation
- Identifying problems
- Conflict resolution
- Reviewing, reporting, and research
- Attention to detail
- Making presentations

Time Management Skills

- Creating and keeping deadlines
- Delegation
- Goal setting and meeting goals
- Decision making
- Making schedules
- Coordinating events
- Problem-solving
- Multitasking
- Strategic thinking
- Implementing strategy

Physical organization Skills

- Filing
- Record keeping
- Office management
- Resource management
- Stock inventory
- Responsibility for office materials and equipment
- Coordinating and executing events

COMMUNICATION AND INTERPERSONAL SKILLS

Communication and interpersonal skills

- Active listening
- Adapting your communication style to your audience
- Friendliness
- Giving and receiving feedback