

Resume

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SUMMARY

More than four years of professional experience in software development including Web development and testing using ReactJs,VueJs,Nodejs,Java,Python and C#. Mobile Application Developer using Flutter and React native,DevOps engineer using Gitlab CI/CD,Docker,NGINX,Linux server. One year of teaching experience for object oriented programming languages such as Java and C++.

PROFESSIONAL SKILLS

Programming Languages: JavaScript,Python,Java,C++, C, TypeScript,PHP

Databases: MongoDB,PostgreSQL,MySQL,Redis,

Frontend frameworks: ReactJs,VueJs,NextJs,NuxtJs,GatsbyJs,

Backend frameworks: NodeJs,Spring Boot, ExpressJs,Laravel,

Mobile App frameworks: Flutter and React Native.

UI styling frameworks: tailwindCSS, Material UI, SCSS,Bootstrap,Vuetify,Styled Components.

Tools: Visual Studio Code, Android Studio, IntelliJ IDE, Trello,Figma,

Jira,Gitlab,Github,Bitbucket,Docker, Packet Tracer,Proteus.

Platforms: MacOS,Linux with UbuntuOS,Redhat8,Kali linux ,Windows,Digital Ocean, CPanel.

Networks: Socket programming, CISCO,HUAWEI.

Content Management system: Strapi

Others: Strong knowledge of the software lifecycle,Agile scrum, Project management,HTML,CSS

PROFESSIONAL EXPERIENCE

Adey-Meselesh, 2021.02 - Present

Address: www.adey-meselesh.de, Schellingstrasse 22 80799 Munich, Germany

Position: Full-stack developer, Mobile Application Developer, DevOps engineer, Lead Developer, Project Manager. (Full-time Paid)

Projects:

Doctor Appointment booking Application

Project Description: This is a patient-focused appointment booking application that helps patients and citizens to book an appointment of their preferred doctor from where they are without going to the clinic or hospital where the doctor works. This doctor appointment booking application has both web version and mobile application version, this enables clients to book an appointment using the web application or the mobile application. This application also enables doctors to register to the system, edit their profile, biography, and also they can update their available time for the appointment, they can enter their available shifts, weekly, monthly, yearly, or also they can enter specific date of their availability, they can disable the date if they are unavailable too.

In addition to this for the doctor's module it has support for an inventory system, which helps the doctor or nurses to prepare the medical equipment needed for the surgery of the patient after approval of the appointment. and also helps the staff to calculate the total cost incurred on the patient and the total price of the surgery.

It also helps the staff to know the amount of equipment remaining and also helps to predict when they should order the out of stock equipment.

This application has four modules: Patient/client, Doctor, Staff and Admin.

Project Duration: Involvement: 2022.02 – present

Programming Duration: 7 months/ 30 weeks *I did programming*

8 Hours coding/testing/maintenance per day

Responsibilities:

- Coded NodeJs with ExpressJs for the server side.
- Coded Flutter for the Mobile Application.
- Used MongoDB as a database.
- Wrote clean, modular, platform independent code.
- Tested the performance and functionality of the code.

- Used Insomnia and postman for documentation and testing.
- Refactored and optimized team code.
- Submitted the final version to Gitlab.
- Setted up continuous integration and deployment using Gitlab CI/CD.
- Communicated with business development regarding the nature and scope of the product.
- Converted Business capabilities into software requirements.
- Assigned tasks to my team members.
- Used: JavaScript NodeJs,ExpressJs,Dart Flutter,Trello,MongoDB, Docker, GitLab,Hetzner server as deployment server, Linux,PM2 tool,NGINX,certbot, Ubuntu 20.04,VS code.

Website Development

Project Description: I have worked on different websites for different companies including hospitals,surgical centers, Recycling companies.

These websites help the companies to advertise their services, and also to contact them easily through contact form, also helps the clients of the company to make an appointment through their website.

some of the websites i have participated in:

www.greenglobe.ae

www.samaritansc.com

www.ethiopiastroke.org

www.ethiopiastroke.com

www.adey-meselesh.de

Project Duration: Involvement: 2022.04 – 2022.08

Programming Duration: 4 months/ 17 weeks I *did programming*

3 Hours coding/testing/maintenance per day

Responsibilities:

- Coded VueJs for the client side.
- Used Strapi as Headless Content Management system (CMS).
- Used MongoDB as a database.
- Wrote clean, modular, platform independent code.
- Tested the performance and functionality of the code.

- Refactored and optimized team code.
- Submitted the final version to Gitlab.
- Setted up continuous integration and deployment using Gitlab CI/CD.
- Deployed the website to the server.
- Converted Business capabilities into software requirements.
- Assigned tasks to my team members.
- Used: JavaScript VueJs, TailwindCSS, MongoDB, Strapi, Docker, GitLab, Hetzner server as deployment server, Linux, PM2 tool, NGINX, certbot, Ubuntu 20.04.

DevOps Engineer

Project Description: I am managing more than 20 running applications on our production server, I am responsible for continuous integration and deployment of staging and production phases.

main tasks are setting up continuous integration and deployment in gitlab and connect the repository to the server, communicate with developers of the application to discuss on the phases of development, monitoring and debugging the running application.

Project Duration: Involvement: 2022.01 – present

Programming Duration: 8 months/ 31 weeks

3 Hours testing/maintenance per day linux shell commands "No actual coding".

Responsibilities:

- Setted up Gitlab continuous integration and continuous deployment.
- Setted up the ubuntu server with Nginx, Pm2, certbot and made ready for staging and production deployment .
- Communicate with the developers on the project setup for staging and production.
- Monitor and debug applications running on the server.
- Setting up databases on the server, according to the database used in the development phase.
- Tested the application on the testing server before going to the production.

- Connecting domain name from domain name providers of the client to our server.
- Used PM2 tool for running and monitoring the application.
- Used: Linux, Ubuntu 20.04 hetzner server,NGINX,MongoDB,PostgreSQL,MySQL,Docker, GitLab,PM2 tool,NGINX,certbot.

Buffl E-Learning using Flashcards. www.buffl.co , Munich, Bavaria, Germany

Project Description: Buffl is an online self e-learning system that helps students to prepare for exam to practice and study his/her course by creating flashcards which contains questions and answers,

Users can sign up to the system and they can create courses they want to study and practice. Inside that course they can create cardsets in which you can prepare questions with answers and then they can practice with the questions and prepare for your test.

This application has both web and mobile application version,

Users can create their courses and cards using their laptop or their phone, and then they can practice using their phone.

Buffl has also offline support, users can create courses offline on their devices, once they get internet access it will be synced to the database.

Basic features of Buffl.

Users can signup or login with email, facebook,apple and google.

Users can create, edit courses and cards

Users can practice and develop their skills.

Users can share their courses and cards with their friends.

It has Offilne support for creating courses and cardsets.

The Mobile application version supports for both android and ios platforms.

Project Duration: Involvement: 2021.03 – 2022.02

Programming Duration: 11 months/ 47 weeks *I did programming*

8 Hours coding/testing/maintenance per day

Responsibilities:

- Coded ReactJS for the client side.

- Coded Flutter for the Mobile Application.
- Used MongoDB as a database.
- Used Mobx as state management for flutter.
- Used Goethe editor for editing contents for mobile and web applications.
- Used CSS for styling of the client side.
- Wrote clean, modular, platform independent code.
- Tested the performance and functionality of the code.
- Refactored and optimized my code.
- Submitted the final version to Bitbucket.
- Converted Business capabilities into software requirements.
- Used: JavaScript
ReactJs, Redux, Goethe, Flutter, MobX, Serializer, Jira, Trello, MongoDB,
Bitbucket, Vscod, CSS, Figma, Slack

Allenatech, 2019.07 - 2021.09

Address: www.allenatech.com, Mekelle, Ethiopia

Position: Software Developer (full-time paid).

Projects:

"RUFTA" Electronic Medical Record

Project Description: RUFTA is an Electronic Medical Record that is a patient-focused medical record that enables citizens to have full knowledge and control of their well-being. With the project: Citizens are empowered and get healthcare at the tip of their fingers; Health workers focus on the most important task of saving lives; Healthcare institutions direct their resources to providing care; Policymakers make informed and timely data-driven decisions. The solution manages Medical Record Unit (MRU), Triage, Admin + Full Outpatient Department, Laboratory, Pharmacy, and Billing services.

Project Duration: Involvement: 2019.07 – 2020.07

Programming Duration: 12 months/ 52 weeks *I did programming*

8-9 Hours coding/testing/maintenance per day

Responsibilities:

- Wrote clean, modular, platform independent code.
- Tested the performance and functionality of the code.
- Refactored and optimized my code.
- Submitted the final version to Gitlab.
- Communicated with business development regarding the nature and scope of the product.
- Converted Business capabilities into software requirements.
- Communicated with relevant teams in deployment of solutions.
- Coded ReactJs for client side and MaterialUI as UI framework.
- Integrated the frontend part with the backend and tested it.
- Used Jest as a testing framework for the frontend part.
- Used: JavaScript NodeJs, ReactJs, MaterialUI, css, Jira, MongoDB, Docker, GitLab, Trello, Ubuntu server OS.

COVID-19 Tracker and Coordinator

Project Description: COVID-19 tracker that was aimed to control the expanding rate of COVID-19 this system helps citizens to know their covid-19 status, this includes registering citizens flow from one city to another including bus and airplane passengers. First the passenger will be registered with all his/her information in the MRU(Medical Registration Unit) using mobile application from every border of each city, and then he/she will be tested his/her covid status, and he/she will be Quarantined for some days. If he/she is tested positive he will go to the treatment center and get treated. otherwise he/she can go to his home.

The Software manages the Medical Record Unit (MRU), RRT Coordinator, Practner Admin, Laboratory .

Project Duration: Involvement: 2020.03 – 2020.08

Programming Duration: 4 months/ 17 weeks *I did programming*

8-9 Hours coding/testing/maintenance per day

Responsibilities:

- Wrote clean, modular, platform independent code.
- Tested the performance and functionality of the code.
- Refactored and optimized my code.
- Submitted the final version to Gitlab.
- Communicated with business development regarding the nature and scope of the product.
- Converted Business capabilities into software requirements.
- Communicated with relevant teams in deployment of solutions.
- Coded ReactJs for client side and MaterialUI as UI framework.
- Integrated the frontend part with the backend and tested it.
- Used Jest as a testing framework for the frontend part.
- Used: JavaScript,ReactJsMaterialUI,css,Jira,MongoDB, Docker, GitLab, Trello, Jest,Ubuntu server OS.

Food Delivery Application.

Project Description: Food delivery application is customer focused application which helps restaurant customer to order food or drinks from everywhere and anytime, and then the system can accept his order and send the order to the selected restaurant, and also track the order status, when it is ready the system connects the delivery service with the restaurant and deliver it to the customer.

The system has different modules including Customer/User, Restaurant owner and Admin

Project Duration: Involvement: 2021.06 – 2021.09

Programming Duration: 4 months/ 17 weeks I *did programming*

8-9 Hours coding/testing/maintenance per day

Responsibilities:

- Coded mobile Application using Flutter framework.
- Used Keycloak as an Identity server for Authentication and Authorization.
- Used OTP verification, for customer confirmation of signing in or signing up to the system.
- Used Google map service for detecting the location of restaurant, customer and the delivery person.
- Wrote clean, modular, platform independent code.
- Tested the performance and functionality of the code..
- Refactored and optimized my code.
- Submitted the final version to Gitlab.
- Communicated with business development regarding the nature and scope of the product.
- Converted Business capabilities into software requirements.
- Communicated with relevant teams in deployment of solutions.
- Integrated the Flutter with the backend and tested it.
- Used: Flutter, KeyCloak, Jira, GitLab, Trello, Ubuntu server OS, Mac OS.

Pentech ICT Solutions PIC, 2018.09 - 2019.09

Address: Penetch ICT Solutions, Mekelle, Tigray, Ethiopia

Position: Lecturer and Lab trainer (*Part-time paid*)

Projects:

Project name: Teaching and Managing Networking Department

Project Description: Teaching trainees data communication and computer networks and then assisting them in practical Lab practices, Implementing LANs and WANs for enterprise companies. Internet of Things (IOTs).

Project Duration: Involvement: 2018.09 – 2019.02

Programming Duration: 6 months/25 weeks *I did programming*

6 Hours coding/testing/maintenance per day

Responsibilities: Teaching and assisting students on how to build and configure small to medium sized Enterprise Network infrastructure including Local Area Network (LAN), Metropolitan Area Network (MAN), Wide Area networks (WAN), and WLAN. teach them how to configure Networking devices such as Switch, Router, Firewall, Layer3 switch

Example,

- Designed and implemented client's LAN and WLAN design.
- Performed Network Tests.
- Configured device's Telnet, Ip address, DNS configuration, VLAN and console scripts to simulate the network.
- Used: Packet tracer, Sublime text.

Project name: Teaching and Training Object oriented Programming With Java and C++.

Project Description: Teaching trainees object oriented programming using Java and C++ .

Project Duration: Involvement: 2019.02 – 2019.09

Programming Duration: 8 months/34 weeks *I did programming*

6 Hours coding/testing/maintenance per day

Responsibilities: Teaching and training students on how to develop softwares including games and calculators using object oriented programming using Java and

C++, also assisting them in Lab practices, giving them assignments to build softwares using Java, reviewing their code and refactoring.

- Managed students to develop systems using object oriented programming using Java and C++.
- Performed Review of the students assignment task.
- Coded Java and C++ to show and mentor the students about OOP.
- Used: Java,JDK, Notepad ++, Sublime text, linux console.

IT CERTIFICATIONS

- HCIA certified 2019.
I have HCIA (HUAWEI Certified ICT Associate) certificate, Huawei Certified ICT Associate (HCIA) is awarded to engineers who can install, configure, and run ICT devices, and rectify faults in a technical field. HCIA, is certification for qualified routing and switching configuration.
- CISCO Packet tracer completion certificate from Cisco Networking Academy. 2019

EDUCATION

- B.Sc. in Computer Science and Engineering Mekelle University -Mekelle Institute Technology, Mekelle, Ethiopia, 2014.09.27 – 2019.07.20, CGPA is 3.86/4.0.

PROFESSIONAL TRAINING

- Cisco Certified Network Associate CCNA1 and CCNA2 trained from Cisco networking academy.

HONORS

- National HUAWEI ICT competition Second Winner 2019, Addis Ababa,Ethiopia,
- International HUAWEI ICT competition Best Performance Award 2019,Shenzhen,China
- From 2009.09.27 to 2019.07.20, Mekelle Institute of Technology Bachelor scholarship.