

AMSALU TADESSE

3rd July 1989, Ethiopia

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ACADEMIC BACKGROUND

Master of Industrial Science (Electronic Engineering: focus on Internet computing) Catholic University of Leuven, Leuven, Belgium Sep 2013- Sep 2015
Thesis: 'Monitor and maintain healthy life style with your smart phone (B WiseHealth)', with Android

BSc. In Electrical and computer Engineering (Final Project: PC Monitoring) Jimma University, Jimma, Ethiopia Sep 2007- July 2011

WORK EXPERIENCE

Addis Ababa Science and Technology University ICT, Addis Ababa, Ethiopia Oct 20, 2020 to Present

● **Position:** *Senior Application Developer*

● **Responsibilities:**

- ◆ Promoting the development of programmers and analysts by offering assistance in coding techniques and testing methods as appropriate by participating in training programs.
- ◆ Design, run and monitor software performance tests on new and existing programs for the purposes of correcting errors, isolating areas for improvement, and general debugging.
- ◆ Generate statistics and write reports for management and/or team members on the status of the programming process.
- ◆ Train end users to operate new or modified programs.

● **Technologies:** MariaDB, Apache, PHP, JavaScript, HTML, CSS, Java and others.

Jimma University ICT, Jimma, Ethiopia

Oct 2016 to Sept 10, 2020

● **Position:** *Senior Application Developer*

● **Responsibilities:**

- ◆ Developing softwares for the university as well as for external companies
- ◆ Updating and maintaining existing softwares
- ◆ Database designing.
- ◆ Deploy developed (web) applications to clients (other Universities) on Debian server.
 - ✓ RAID configuration
 - ✓ Debian server installation
 - ✓ Apache2, MySQL, PHP and other dependency libraries installation
 - ✓ Deploy the application and testing

● **Technologies:** MySQL, Apache, PHP, JavaScript, HTML, CSS, Java, Node JS, React, Android and others.

● **Frameworks:** Symfony, Spring (JEE)

Jimma University, Jimma, Ethiopia

Sept 2015 to Sept 2016

- **Position:** Lecturer
- **Responsibilities:** Teaching programming courses (*Object Oriented Programming, data structure, database, android programming and programming languages*) and advising students on final projects.

Jimma University, Jimma, Ethiopia

Sept 2012 to Sept 2013

- **Position:** Assistant Lecturer
- **Responsibilities:** Teaching programming *language* courses (Introduction to C and C++ languages, Introduction to Java) and advising students on mini projects.

RELATED EXPERIENCES

Staff Performance Evaluation System

January 10, 2021 to present

- **Client:** Addis Ababa Science and Technology University, Addis Ababa, Ethiopia
- **Task:** Developing a web application that enables students, peers and department heads to evaluate instructors. The system also works for administrative staff evaluations.
- **Technologies used:** Mariadb, PHP, Symfony5 and other bootstraps.
- **Role:** Lead Programmer

Auto Payroll Mailer System

January 5, 2021 to January 25, 2021

- **Client:** Addis Ababa Science and Technology University, Finance office, Addis Ababa, Ethiopia
- **Task:** Developing an application that accepts monthly payroll and other type of payments with CSV file and email the payment details to all employees of the university.
- **Technologies used:** MySQL, PHP, Symfony5 and plugins.
- **Role:** Lead Programmer

AASTU Gate Management System for Student Graduation

October 10, 2020 to December 25, 2020

- **Client:** Addis Ababa Science and Technology University Graduation Committee, Addis Ababa, Ethiopia
 - **Task:** Developing a web application to manage students, family and guest attendance on the gate. It solved the problem of multiple person entries with one card. The system captures users photo during entry for detail security analysis.
 - **Technologies used:** MySQL, PHP, Symfony5 and bootstraps.
 - **Role:** Lead Programmer
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Student Record and Financing Management System for Private Elementary Schools

August 10,2020 to Present

- **Client:** St. Michael Elementary and Kindergarten School, Jimma, Ethiopia
 - **Task:** Developing a web application to manage students' records and monthly fee. The application generates rosters, summary cards, ranks, payment receipts and other necessary daily reports for financing.
 - **Technologies used:** MySQL, PHP, Symfony and bootstraps.
 - **Role:** Programmer
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Firomsis Hospital Management System, Jimma, Ethiopia

March 25,2020 to Sept 10,2020

- **Client:** Firomsis Hospital is a huge first private hospital in Jimma city.
- **Task:** Developing a web application to manage patient records, appointments, schedules and resources in the hospital.
- **Technologies used:** MySQL, PHP, Symfony and bootstraps.
- **Role:** Project team leader.
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Online Question – Answering System

May 05, 2020 to July 05,2020

- **Client:** It's done by my initiative.
- **Task:** Developing an online question and answering platform that helps especially the government to teach and asses students online while students are at home during the pandemic Corona virus time. Questions would be Broadcasted with Television programs and students answer with this platform. Students can see the top scorers on Television. Finally selected top scorers would be rewarded.
- **Role:** Programmer

Covid19 project, Jimma, Ethiopia

April 01, 2020 to April 16,2020

- **Client:** Jimma University has developed multilingual web and android applications to the community, to deal with the pandemic through innovative ways.
- **Task:** Developing a mobile(android app) and web application to assist tracking and identifying suspected cases, categorized case reporting and reporting and visualization. The web application also has many features including resource management, isolation and quarantine registration and management, case reporting and visualization of suspected, confirmed, recovered and dead cases.
- **Technologies:**MySQL, PHP, Symfony, APIs and bootstraps.
- **Role:** Project member.
- **Reference link:** covid19.ju.edu.et

Research tracking and database management system for EPHI, Addis ababa, Ethiopia.

Oct 20, 2019 to Jan 30, 2020

- **Client:** The previous PASTER and now EPHI (Ethiopian People Health Institute) is a national level institute where health related research and projects are being done.
- **Task:** Developing a web and android application to track researches submitted to the institute. The system tracks and enables users to approve/reject applications requested online. We have also offered a journal management system as the institution is a center of health journals.
- **Technologies:** MySQL, PHP, Symfony, APIs and bootstraps
- **Role:** Project team leader

Gate management system, Jimma University, Ethiopia

Sept 01, 2019 to Oct 15, 2020

- **Client:** This system was developed for Jimma university so that the university can control student activities and mainly to protect entering illegal peoples into the university.
- **Task:** Developing a web and android application to track students, I.e to identify and analyze the time student was out and in the university. It denies unauthorized people (students without authorized ID card) or black listed students from entering the campus.
- **Technologies:** MySQL, PHP, Symfony, APIs, bootstraps and RFID cards
- **Role:** Programmer

Student record management system(SRS), Jimma University, Ethiopia

Oct 8, 2016 to Oct 5, 2020

- **Client:** Jimma University, Registrar Office.
- **Task:** Adding features to the system, maintaining and fixing bugs and administering the system. As the name implies it is a very huge system that made everything online. Instructors submit exams online, registrars and students watch records online. Any request and approvals are also online. Therefore it's possible to say It has made the office almost free of paperwork. I have customized and deployed the system to eight Ethiopian Universities.
- **Technologies:** MySQL, PHP, Symfony, APIs, bootstraps
- **Role:** Programmer.

Student Placement for Ethiopian National Exam Agency

Sept 21, 2019 to Oct 6, 2019

- **Client:** Ethiopian National Exam Agency, Addis Ababa, Ethiopia
- **Task:** Technical assistance on student placement to universities in 2012 E.C. A special requirement was needed to place students so that the distribution is kept balanced.
- **Technologies:** MySQL, PHP, Javascript and CSS.
- **Role:** Developing a new algorithm as per requirement and implementing it with code.

PERSONAL SKILLS AND COMPETENCE

Programming skills and technologies:

- **Programming Languages:** C, C++, Java and Android.
- **Web Development:** PHP, JavaScript, jQuery, HTML5, CSS3 and Bootstraps.
- **Development tools:** Android Studio, Eclipse, NetBeans, creator and Sublime.
- **Frameworks:** Symphony, Spring (JEE)
- **Operating Systems:** Linux, Windows and Android.

Social Skills and Competence: I have been involved in lots of projects with a team of international students with different backgrounds, which gives me insight on how to organize a team and divide tasks among each other and how to manage human or material resources.

Technical skills and competences: worked as an individual and as part of a team to develop and deliver quality software artifacts, understand and apply current theories, models, and techniques that provide a basis for problem identification and analysis, software design, development, implementation, verification, and documentation.

Language: Amharic: proficient; Oromic: proficient; English: Excellent