

Tsadiku Kibru Mulugeta

SOFTWARE ENGINEER

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EDUCATION

Wolkite University, Bachelor of Science in Computer Science

10/2019 – 07/2023 | Wolkite, Ethiopia

PROFESSIONAL EXPERIENCE

Ashewa Technology Solutions, Odoo Developer

03/2025 – present | Addis Ababa, Ethiopia

- Designed and developed custom Odoo modules utilizing Python, PostgreSQL, XML, and OWL to fulfill unique client business requirements, enhancing ERP solutions across various modules including Sales, Purchase, Inventory, Manufacturing, and Accounting.
- Customized and extended Odoo functionalities by creating tailored fields, views, reports, and workflows to improve user experience and operational efficiency.
- Collaborated with functional consultants to ensure seamless project execution and alignment with client goals, resulting in successful delivery of projects on time.

ETTA SOLUTIONS PLC, Python Developer

02/2024 – 03/2025 | Addis Ababa, Ethiopia

- Developed a SaaS product, Zoorya, in collaboration with the team using Docker, based on a master-tenant architecture.
- Developed custom Odoo modules using Python, PostgreSQL, XML, and OWL to meet specific client business requirements. Implemented and integrated various Odoo modules, including Sales, Purchase, Inventory, Manufacturing, and Accounting, delivering comprehensive ERP solutions
- Customized and extended Odoo functionalities by creating custom fields, views, reports, and workflows
- Collaborated effectively with functional consultants to ensure seamless project execution

Ministry of Innovation and Technology,

11/2023 – 10/2024 | Addis Ababa, Ethiopia

System Administrator Intern

- Provided frontline user support for hardware and software issues, promptly addressing help desk tickets and ensuring a smooth computing experience
- Assisted in the setup and maintenance of network infrastructure, monitoring performance and resolving connectivity issues
- Engaged in continuous learning and collaborated with senior administrators and cross-functional teams on IT projects and vendor coordination

Wolkite University, Software Developer Intern

06/2022 – 09/2022 | Wolkite, Ethiopia

- Developed a Dormitory Management System for Wolkite University, collaborating with a team to address technical challenges and utilizing GitHub for effective teamwork
- Designed and created comprehensive software documentation for the system
- Collaborated with stakeholders to ensure the software met user needs and expectations
- Utilized technologies including HTML, CSS, JavaScript, Bootstrap, Django, and Git, along with PostgreSQL for robust database management

PROJECTS

OBM Construction ERP System,

05/2025 – 06/2025

Odoo-Based Integrated Solution for Construction

- Developed and implemented a comprehensive ERP system for OBM Construction while serving as a developer at Ashewa Technology Solutions, integrating essential Odoo modules: Budget Management, Contract Management, Purchase Management, HR, Planning, Maintenance, Inventory, and Payroll.
- Customized budget tracking and contract management functionalities to enhance financial oversight and compliance, ensuring accurate forecasting and reporting.
- Designed a streamlined purchase management system that improved procurement processes, reducing costs and increasing efficiency across projects.
- Implemented HR and payroll modules to automate employee management and payroll processing, fostering a more productive work environment.
- Integrated planning and maintenance features to optimize resource allocation and equipment upkeep, enhancing project delivery timelines.

AZPIPE ERP System, Odoo-Based Integrated Solution for

04/2025 – 05/2025

Manufacturing Operations

- Developed and delivered a full-fledged ERP system for **AZPIPE** (a manufacturing company) while working as a **developer at Ashewa Technology Solutions**, integrating key Odoo modules: **Manufacturing, Fleet, HR, Attendance, and Inventory**.
- Built custom attendance and fleet tracking logic tailored to the factory's operational flow, ensuring accurate data capture and reporting.

SARIA ERP System,

03/2025 – 05/2025

Odoo HR Suite Development for a Consultancy Firm

- Developed a customized **HR management system** for **SARIA**, a consultancy company, as part of the development team at **Ashewa Technology Solutions** using **Odoo**.
- Implemented and configured key HR modules, including **Recruitment, Payroll, Employees**, and **Contracts**, aligning the system with local labor requirements and company policies.
- Collaborated with functional consultants and clients to gather HR process requirements and delivered a scalable, maintainable solution with thorough documentation and support.

Zoorya SAAS, Odoo, Docker

09/2024 – 03/2025

- Spearheaded the development of **Zoorya**, a multi-tenant SaaS platform built with **Odoo** and containerized using **Docker**, enabling efficient deployment and isolated environments per client.
- Collaborated closely with the **ETTA Solutions PLC** development team to design and implement core business logic, custom modules, and integrations tailored for diverse client needs.
- Engineered robust tenant management, streamlined database provisioning, and ensured scalable and secure architecture for future product growth.
- Played a key role in deployment automation and CI/CD improvements, significantly reducing manual configuration effort.

Dormitory Management System,

06/2022 – 09/2022

Django, HTML, CSS, Javascript, PostgreSQL, Git

- Developed a comprehensive dormitory management system that streamlines tasks such as online room applications, room assignments based on criteria (e.g., Batch, College, Department), and proctor assignments

- The system manages proctor schedules, material requests, and inventory records while facilitating student attendance tracking
- It also generates reports to monitor student activity and identify potential issues

AirLine Reservation System,

02/2022 – 06/2022

PHP, HTML, CSS, Javascript, Mysql, Git

- Developed a full-stack web application that enables users to book flights, manage reservations, and view flight details
- Visualized GitHub data to show collaboration

Student Result Management System,

11/2022 – 01/2022

Java JSP, CSS, Mysql, Tomcat server, Git

- Developed a system to efficiently manage, manipulate, and view student results, allowing teachers to add student results seamlessly

TECHNICAL SKILLS

Languages

Java, Python, C/C++, JavaScript, HTML/CSS, Golang, XML.

Frameworks

React, Node.js, Flask, Django, PHP, GIN, Odoo ERP, JSP, JSF, Servlet

Developer Tools

Git, Docker, Kubernetes, Ansible, Google Cloud Platform, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse

Database

- Postgres, MongoDB, Microsoft SQL, MYSQL