

Ahmed Muhamed Fentaw

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TECHNICAL SKILLS

Languages: Python, C, JavaScript, TypeScript, SQL | **Backend:** Django, Django REST Framework (DRF), FastAPI, Frappe, ERPNext, REST APIs | **Databases:** PostgreSQL, MariaDB, MySQL, MongoDB | **Frontend:** React.js, Vue.js | **Tools & DevOps:** Docker, Git, GitHub, GitHub Actions, Linux, Nginx, Postman, Pytest

WORK HISTORY

Full-Stack Software Engineer (Frappe & Vue.js), ZikPro ERP  10/2025 – 07/2026 | Remote — United Kingdom

- Refined and expanded **Frappe/ERPNext**  solutions using Python, JavaScript, and Vue.js for United Kingdom and international enterprise standards.
- Spearheaded core components of a **UK HMRC CT600 Corporation Tax**  integration for **ERPNext** , including tax data processing, automated reporting pipelines, and direct e-filing capabilities.
- Built a Construction Management System using Vue.js and Frappe, implementing industry-specific processes and core rules.
- Introduced **Ideal Postcodes UK**  address lookup and validation into Frappe, accelerating customer address creation and validation time from **2 minutes to 30 seconds (75% reduction)** while improving address accuracy.

Software Engineer (Backend & ERP Systems), Haron Computer  02/2024 – 09/2025 | Addis Ababa, Ethiopia

- Modernized legacy software by creating a SaaS Property Management System in Frappe and ERPNext, delivering a more functional, maintainable, and user-friendly cloud suite.
- Devised custom internal tools in Frappe and ERPNext, decreasing overhead costs by **15%+** through automated background jobs and efficient resource allocation.
- Streamlined customer support ticketing and routing logic, slashing average queue processing time by **62.5% (from 4 minutes to 1.5 minutes)**.
- Synchronized Ethiopia's Ministry of Revenue (MoR) e-invoicing API with a retail POS environment, maintaining a **99.9% successful response rate** across live transactions.
- Pioneered government compliance and security standards recognized by the MoR and **INSA** , delivering one of the nation's first three approved platforms of its kind.
- Established Kannel and SMPP configurations to enable SMS messaging across internal enterprise applications and multi-tenant SaaS products.

Python Backend Engineer (Django & Odoo), AddisSystems PLC  09/2023 – 02/2024

- Unified **Odoo**  ERP with third-party delivery providers by designing a shipping integration service with Django, Django REST Framework (DRF), and REST APIs.
- Redesigned the **Odoo**  POS interface to accommodate custom checkout flows and boost usability, collaborating with cross-functional teams to transform client specifications into production-ready features.
- Upgraded and adapted Odoo ERP modules using Python and XML, producing custom commercial features, workflows, and reports to expand ERP capabilities.

Backend Software Engineer Intern (Python), SimbaTech Trading PLC  05/2023 – 08/2023

- Initiated core backend architecture for an Ethiopian marketplace platform connecting buyers and sellers to exchange goods and services.
- Authored and implemented REST APIs using Django REST Framework to link the backend with the client interface.
- Prepared backend services with Django and PostgreSQL, assessed API endpoints via Postman, and controlled versioning through Git and GitHub.

EDUCATION

Bachelor of Science, Computer Science - Data Analysis, University of Messina 09/2025 – Present | Sicily, Italy

- Relevant Coursework: Data Structures and Algorithms, C Programming, Discrete Mathematics, Linear Algebra, Statistics, Database Systems, Object-Oriented Programming, Operating Systems, Computer Networks.

ACHIEVEMENTS

Ethiopian Collegiate Programming Contest (EtCPC) — Contest Organizer 

Organized national algorithmic competition logistics, technical environments, and problem sets.

Programming Hackathons & Science Competitions — Award Recipient & Quarterfinalist 

Advanced to the Quarterfinals of the A2SV Generative AI for Africa Hackathon among 1,000+ African developers and earned multiple regional and national awards for full-stack software development and system architecture.