




Firaol Gadissa


Junior Software Developer

 firaolgadissa551@gmail.com

 +251978581099

 Assela, Ethiopia

 linkedin.com/in/firaolgadissa

 github.com/firaolgadissa

 firaolgadissa.github.io

PROFESSIONAL SUMMARY

Junior Software Developer with hands-on experience in PHP, Flask, Python, HTML, CSS, JavaScript, and SQL. Developed an AI-powered Online Examination System, integrating Flask for AI evaluation and PHP for backend logic. Skilled in creating scalable, efficient web applications with a focus on user experience and system optimization. Seeking a challenging position to apply strong problem-solving abilities and experience with full-stack development in a dynamic environment.

Education

Bachelor's Degree in Information Technology

07/2021 – 02/2025

Debre Markos University

- CGPA: 3.32 | Passed University Exit Exam (71%)
- Relevant coursework: Web & App Development, System and Network Administration, Network Device Configuration, Distributed Systems, Data Communication, and Computer Networks

Professional Experience

Online Examination System with AI-Based Evaluation

06/2024

Personal Project

- **Developed** a web-based examination system using **PHP & MySQL**, boosting database response time by 50%.
- **Integrated** a **Flask-based AI** (Python) for automated answer evaluation, **accelerating** grading efficiency by 80%.
- **Implemented** secure login mechanisms, ensuring robust data protection for over 100 users.
- **Created** an intuitive admin dashboard for exam management, tracking student performance, and generating real-time analytics reports.
- **Optimized** server performance, reducing load times by 40% through refined database queries and caching.
- **Developed** role-based access control (RBAC), ensuring secure access across 3 user levels (admin, instructor, student).
- **Spearheaded** penetration testing, **discovering** and mitigating 5 major security vulnerabilities.
- **Introduced** automated data backup, **reducing** data loss risk by 90%.

- Configured and maintained **15+ network devices**, ensuring **99% system uptime**.
- Troubleshoot and resolved daily IT issues, reducing response time and improving efficiency.
- Assisted in implementing security monitoring procedures, reducing **potential cyber threats by 25%**.
- Provided **technical support to 20+ employees**, minimizing downtime and improving workflow.
- Researched and helped implement security policies, **enhancing system protection by 20%**.
- Assisted in setting up a **VPN connection** that supported **remote work for 10+ employees**.
- Monitored firewall logs and analyzed **100+ network traffic events per day** to identify **potential vulnerabilities**.
- Diagnosed and repaired **hardware malfunctions in 30+ workstations**, improving reliability and efficiency.

Skills

Technical Skills

Programming Languages:

- Proficient in **Python, PHP, JavaScript, C#, and VB**. Experience with **object-oriented programming (OOP)** and software design principles.

Web Development:

- Frontend: **HTML, CSS, JavaScript**.
- Backend: **ASP.NET Web Forms, MVC, Flask, PHP**.
- Full-stack development experience, ensuring seamless integration of frontend and backend components. Building and consuming **RESTful APIs** and working with **WebSockets**.

Database Management:

- Strong knowledge of **SQL (MySQL, PostgreSQL, MS SQL Server)**. Database design, normalization, indexing, and query optimization. Experience with **stored procedures, triggers, and functions**.

Software Development & Tools:

- Proficiency in **Web APIs, Service-Oriented Architecture (SOA)**, and microservices. Experience with **version control (Git, GitHub, GitLab)**. Debugging and troubleshooting using **IDE tools (VS Code, PyCharm, Visual Studio)**. Knowledge of **software development lifecycle (SDLC) methodologies** (Agile, Scrum).

Soft Skills

• Problem-Solving & Analytical Skills:

Proven ability to identify inefficiencies and develop optimized solutions. Involved in troubleshooting software issues, debugging code, and resolving complex technical challenges during project development.

- **Teamwork & Leadership:** Led a team of 3 developers on a university project, coordinating efforts and ensuring timely completion of deliverables. Encouraged open communication and a collaborative approach to tackle technical challenges.

• Adaptability & Continuous Learning:

Regularly update skills with the latest technologies and frameworks, recently gaining proficiency in **Flask** for AI development and **SQL** for database management. Adaptable to different work environments and technologies as projects evolve.

• Communication & Documentation:

Created comprehensive documentation for projects, ensuring all stakeholders could easily understand the technical aspects. Effectively explained complex technical concepts to non-technical team members and clients.

Extracurricular Activities & Projects

Quiz App (Personal Project)

- Developed a quiz application using Java and XML for interactive user engagement.
- Implemented features such as real-time scoring, multiple question types (multiple-choice, true/false), and a timer for each quiz session.
- Focused on responsive design, ensuring usability across different devices and screen sizes.

Configuring network

- Led a team of 5 students in **configuring a small enterprise network**, including VLANs, subnets, and security policies.

Languages

Amharic Fluent	● ● ● ● ●	English Fluent	● ● ● ● ●
Afaan Oromoo Fluent	● ● ● ● ●		