

Asaad Zein Sayed

Software Engineer | 3D Technical Artist | Team Lead

Location: Cairo, Elshorok, Egypt

Email: asaad.work2010@gmail.com

Portfolio: <https://asaadzx.is-a.dev/>

LinkedIn: <https://www.linkedin.com/in/asaad-zx/>

PROFESSIONAL SUMMARY

Highly driven Software Engineer and Team Lead with 4 years of experience in full-stack development, AI implementation, and systems architecture. One of the founders of [Byte Team](#), leading collaborative OS projects and open-source contributions to GNOME. Expert in localized AI solutions and systems optimization, complemented by technical art skills in 3D rigging, animation, and parametric design.

WORK EXPERIENCE

Byte Team | Lead Developer & Founder

Cairo, Egypt | 2024 – 2025

- Founded and currently lead a technical collective focused on system distribution and optimization.
- Spearheaded the development of "Ghost Freak OS," a custom Linux distribution.
- Implemented a custom configuration of the Calamares installer to streamline user deployments and improve the installation experience.

GNOME Foundation | Open Source Contributor

Remote | 2023 – Present

- Contribute code and optimizations to the GNOME desktop environment ecosystem.
- Enhance software functionality and system performance for an international user base.

Freelance Software Engineer

Cairo, Egypt | 2025 – Present

- **Anas Ibn Malik School:** Designed, developed, and deployed the official school website and backend management system.
- **System Administration:** Built, configured, and maintained high-performance personal home servers using Arch Linux and NixOS for self-hosted services.
- **Database Management:** Managed PostgreSQL databases and ensured user data integrity for collaborative inter-school projects.

NOTABLE PROJECTS

Epyac AI (Localized LLM)

- Developed a custom AI model by fine-tuning Llama 3.2 via Ollama.
- Optimized the model specifically to run efficiently on standard student laptops, ensuring high-performance AI access without the need for expensive hardware or cloud dependencies.

NASA Space Apps Challenge: Air Quality System

- Participated in the global hackathon by architecting a system to monitor, analyze, and visualize environmental air quality data.

AI-Powered Study Aid

- Engineered and deployed an AI-driven educational assistant on school servers to assist students with their curriculum and learning workflows.

Custom Win11 Initiative

- Led a team process improvement initiative to optimize operating system performance and customization.

TECHNICAL SKILLS

Development & Systems

- **Languages:** Python, C++, Go, TypeScript, Bash Scripting.
- **Web & Backend:** Next.js, Bun, PostgreSQL, Supabase DB.
- **Systems & DevOps:** Arch Linux, NixOS, Docker, Git, Google Cloud.
- **Tools:** Nvim, VS Code, Calamares Installer.

3D Technical Art & Engineering

- **3D Art:** Rigging (Bones), Character Animation.
- **CAD:** FreeCAD (Parametric modeling and mechanical design).

EDUCATION

Preparatory Grade 3

Anas Ibn Malik Egyptian-Language School | Cairo, Egypt

- **Status:** Currently enrolled.
- **Performance:** Maintains consistently high academic honors while managing professional development work.

DECI Student

- Level 3 Student

CERTIFICATIONS

- **IBM Project Management:** Professional Certificate (IBM)
- **AI Engineer Certificate:** Professional Certificate (HP via LinkedIn Learning)