










Ahmed Osama Ali *Software Engineer*

-  ahmedosamamath@gmail.com
-  +201095089573
-  Mansoura, Dakahlia, Egypt
-  16th September 2000
-  <https://ahmed.is-a.dev>
-  linkedin.com/in/zold
-  github.com/ahmedosamamath

PROFILE

Motivated Full-Stack Developer passionate about building scalable media-tech platforms. Experienced in developing high-performance web applications using JavaScript (Node.js, React), Python (Flask/Django), and cloud services (AWS, Docker). Strong background in developing APIs, handling real-time data, and supporting content platforms. Committed to enhancing Arabic content on the web and supporting digital creators through innovative technology.

PROFESSIONAL EXPERIENCE

- Software Engineer, Information Technology Institute (ITI)**08/2024 – 05/2025 | Mansoura, Egypt
- Completed an intensive 9-month program focusing on modern full-stack development and scalable system design.
 - Built end-to-end applications using JavaScript, Python (Flask/Django), RESTful APIs, Docker.
 - Developed scalable REST APIs and integrated them with modern front-end frameworks.
 - Focused on performance optimization and best practices for high-traffic web applications.
 - Gained strong foundation in Git workflows, CI/CD pipelines, and containerized deployment.
 - Followed Agile methodologies, participated in code reviews and collaborative team projects.
 - Worked with cloud platforms (AWS / DigitalOcean) to deploy and manage applications.

- Military Service, Career Break**02/2023 – 04/2024 | Cairo, Egypt
- I joined the military service

- Freelance Full-Stack Web Developer, Upwork**10/2020 – 01/2023 | Remote
- Designed and built scalable, client-focused web applications across multiple industries.
 - Developed REST APIs and integrated third-party services (payment gateways, analytics, email).
 - Worked on performance optimization, caching strategies (Redis), SEO, and mobile-first responsiveness.
 - Built applications using Laravel, PHP, JavaScript, React (where applicable).
 - Managed cloud deployment using VPS (DigitalOcean) and Docker for several production projects.
 - Communicated with clients worldwide, managing end-to-end delivery from requirements to deployment.
 - Gained experience working with content platforms and dynamic data-driven applications.

SKILLS

- Node.jsReactNext.jsTypeScriptPHPPythonOOPTHMLLaravel
- SQLDockerFlaskGitLinuxRESTful APIsAWSRedisKubernetes

EDUCATION

- Mansoura University,**2018 – 2022 | Mansoura, Egypt
- Bachelor of Arts in Geography and Land Surveying*
- Studied physical and human geography with a focus on land surveying techniques, GIS, and spatial analysis.

PROJECTS

RadioCast – Audio Streaming Platform, *(Side Project – in progress)*

- Developed a mini audio streaming web app using Node.js, React, and AWS S3.
- Supports uploading, processing, and streaming audio files with secure access and optimized delivery.
- Implemented scalable REST APIs, cloud storage integration, and dynamic audio playlists.
- Focused on performance optimization and media delivery best practices.

DayWise - Task Management Application

GitHub Repo: <https://github.com/AhmedOsamaMath/daywise>

- Built a full-featured personal productivity app with advanced task organization and progress tracking.
- Developed REST APIs using Flask with JWT authentication and role-based access control.
- Designed responsive, modern UI using React and integrated persistent storage with SQLite.

Personal Portfolio Website

GitHub Repo: <https://github.com/AhmedOsamaMath/Portfolio>

- Designed and developed a personal portfolio website to showcase projects and experience.
- Built with HTML5, CSS3, JavaScript, deployed on GitHub Pages with SEO optimization.

Chess Game

GitHub Repo: <https://github.com/AhmedOsamaMath/chess-game>

- Created a Python-based chess game with Pygame GUI and simple AI opponent.
- Implemented core chess logic, move validation, and game state management.

PUBLICATIONS

Linux Basics

Comprehensive Linux Basics: A complete guide covering foundational Linux concepts, core tasks, and best practices.

Check it out here: <https://github.com/AhmedOsamaMath/linux-basics>

Git Basics

Comprehensive Git Guide: A complete resource covering Git fundamentals, workflows, advanced techniques, and best practices for version control and collaboration.

Check it out here: <https://github.com/AhmedOsamaMath/git-basics>

LANGUAGES & INTERESTS

Languages: Arabic (Native), English (Professional Working Proficiency)

Interests: Open-source contributions, mentoring in mathematics