

# Ayman samir ahmed

## Full-Stack Engineer | Django | React

### CONTACT

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**LinkedIn** - **GitHub** - **Portfolio**

### SUMMARY

Analytical Developer with a Bachelor's in Engineering, applying rigorous problem-solving to build scalable web architectures. Specialized in Python (Django) and React/Redux Toolkit, with a focus on database optimization and secure API design. Leverages 5 years of professional engineering experience to deliver structured, high-quality code and effective project management in cross-functional teams.

### INTERNSHIP

#### Information Technology Institute (ITI) – Intensive Training Program

*Nov 2024 – May 2025*

Full Stack Web Development using Python

- Completed hands-on training to build scalable web applications.
- Gained expertise in front-end and back-end development, database management, and API integration.
- Built on real-world projects to enhance problem-solving and collaboration skills.

#### African Leadership Xcelerator (ALX)

*Jul 2024 – Sep 2024*

ALX Foundation Scholarship – Professional Development

- Completed an intensive program focused on essential digital-age skills, leadership, and problem-solving.
- Developed critical thinking and teamwork abilities through real-world challenges.

### EDUCATION

#### Zagazig Higher Institute of Engineering and Technology

*2013 – 2018*

Bachelor's Degree in construction engineering.

**Graduation Project:** Foundations (Grade: A+)

### TECHNICAL SKILLS

- **Frontend:** HTML5, CSS3, JavaScript, React, Redux Toolkit, Bootstrap, jQuery
- **Backend:** Python (Django, Flask), RESTful APIs and JWT
- **Databases:** MySQL, PostgreSQL
- **DevOps & Tools:** Bash Scripting, Linux (Ubuntu), Docker, Apache, Nginx
- **Version Control:** Git, GitHub
- **Programming Fundamentals:** C++, Data structure

### SOFT SKILLS

- **Analytical Problem-Solving:** Expert at debugging complex logic and optimizing code for performance.
- **Cross-Functional Collaboration:** Proven ability to work effectively in diverse team environments, a skill developed through both engineering site management and software development.
- **Adaptability & Continuous Learning:** Rapidly integrates new technologies and frameworks, as evidenced by transitioning from Civil Engineering to Full-Stack development.
- **Time Management:** Highly skilled in balancing concurrent technical projects and meeting strict production deadlines.

PROJECTS

**Jumoooh Media — Full-Stack Portfolio (React, Django, PostgreSQL)**

- Architected a bilingual, responsive platform utilizing Lazy Loading to reduce initial page load times.
- Developed an accessible UI featuring responsive light/dark themes, RTL support, and interactive project galleries using Framer Motion.
- Engineered a secure backend with Django, DRF, and JWT, implementing role-based access, CSRF/XSS protection, and robust error handling.
- Deployment on Hostinger using Nginx and Gunicorn with HTTPS (Let's Encrypt) for secure, production-ready hosting.
- [GitHub](#) - [Live Demo](#)

**Crowdfunding Platform Web App (Django)**

- Architected and Deployed a full-featured crowdfunding platform using Django and PostgreSQL.
- Implemented user authentication with email verification and social login (Google, Facebook).
- Handled password reset and update flows with custom templates.
- Designed a responsive UI using Bootstrap and custom CSS.
- Configured SMTP for email notifications like account activation and password reset.
- [Demo Video](#) - [GitHub](#)

**FAMMS E-Commerce Website (React & Redux Toolkit)**

- Engineered a dynamic online shopping platform featuring product catalogs, secure user authentication, and an intuitive admin dashboard for product and order management.
- [Demo Video](#) - [GitHub](#) - [Live Demo](#)

**FoodTrove Bootstrap UI/UX Design Project**

- Crafted a responsive and visually engaging interface using Bootstrap and Figma, significantly elevating user experience and accessibility.
- [Demo Video](#) - [GitHub](#)

**Database Management System (Bash Scripting & Linux)**

- Devised a robust command-line tool for efficient data handling, featuring comprehensive error handling and validation that resulted in a 30% improvement in query processing speed.
- [GitHub](#)

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OTHER  
EXPERIENCE

- **Civil Engineer & Site Manager | Various Engineering Firms | 2019 – 2024**
- **Developed project management and analytical problem-solving skills managing large-scale infrastructure projects before transitioning to software engineering.**

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LANGUAGES

- **Arabic:** Native
- **English:** Professional Working Proficiency.