Alaa Ahmed Gamal El-Din

Software Engineer

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Professional Experience

Information Technology Institute (ITI) — *Full-Stack Developer Trainee.*

Mar 2025 – Present

- Developed scalable full-stack web applications using Python (Django, Flask) on the backend and React on the frontend.
- Built and maintained RESTful APIs, focusing on performance optimization and clean architecture.
- Engineered responsive, user-centric interfaces with React and JavaScript (ES6+), improving usability and accessibility.
- Integrated PostgreSQL databases and ensured efficient data handling across components.
- Applied OOP principles in Python to develop structured, reusable code and business solutions using Odoo ERP.
- Utilized Git and GitHub for version control and collaborative development in a team environment.
- Applied Generative AI and prompt engineering to enhance web functionality and user experience.

Wazeefa Tech ITI / Petra Software—*Full-Stack Developer Trainee.*

Mar 2024 – Jun 2024

- Acquired full-stack development expertise using Angular, PHP, and Laravel to develop robust web applications.
- Implemented RESTful APIs integrated with Angular to handle data efficiently and deliver real-time updates.
- Improved database performance by leveraging Laravel's Eloquent ORM, enhancing both functionality and security.

Xware Integrated Solutions— *Front-End Development Mentor.*

February 2023 – March 2023

- Provided mentorship and guidance to junior developers during a training camp, covering front-end development best practices, coding standards, and modern web technologies.
- Conducted workshops and one-on-one sessions on HTML, CSS, JavaScript, and responsive design principles, helping trainees build solid foundational skills.
- Reviewed and provided feedback on trainee projects, ensuring adherence to coding best practices and optimizing for performance and user experience.

Xware Integrated Solutions— *Front-End Developer (Summer Bootcamp).*

July 2022 – October 2022

- Developed the Instatus Project, a website monitoring tool that tracks uptime and downtime for websites.
- Designed and implemented interactive front-end components using HTML, CSS, JavaScript, and Vue.js.
- Deployed a demo version of the website monitoring tool, demonstrating its real-time capabilities ([Demo](#)).
- Collaborated closely with back-end developers to ensure seamless data exchange between the front-end and back-end systems.

Objective

Motivated and detail-oriented software engineer with expertise in full-stack development and front-end technologies. Passionate about building dynamic web applications, optimizing database interactions, and ensuring seamless user experiences,seeking opportunities to leverage my skills and contribute to innovative projects.

Education

Faculty of Computers and Information, Assiut University—
B.Sc. in Computer Science, Bioinformatics Department
2023 | GPA: 3.4

Hard Skills

Front-End Software Engineering
Back-End Software Engineering
Full-Stack Development
Agile Development
API Integration
Database Management
Version Control (Git, GitHub)
Continuous Integration & Delivery

Soft Skills

Problem-solving and analytical thinking
Effective communication and teamwork
Attention to detail and code quality
Time management and project planning
Adaptability and learning agility
Critical thinking and decision-making
Leadership and mentoring
Collaboration and conflict resolution

Tools

Languages & Frameworks: Python (Django, Flask), JavaScript (ES6+, React, Vue.js, Angular), PHP (Laravel)

Web Development: Front-end development, RESTful API integration, WordPress

Database Management: SQL (MySQL, PostgreSQL), NoSQL (MongoDB)

Version Control: Git, GitHub
Tools: Docker, Postman, VSCode