

Mohamed Saif Software Engineer

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Education

- Bachelor of Computers and Systems Engineering, Zagazig University** 2017
Zagazig, Egypt
- I led multiple university projects and served as the leader of my graduation project.
 - Actively participated in student activities, including IEEE, Algorithms Workshop [↗](#), and the Robotics and Automation Society.

Professional Experience

- Senior Software Engineer, Naseej** [↗](#) 09/2023 – present
Cairo (remote)
- Authored & maintained an open-source testing package, reducing team effort & time by [30-50%] in unit & integration testing.
 - Enhanced legacy framework with API-first features (OpenAPI schema generation) eliminates manual schema writing & streamlines communication.
 - Established development & coding conventions, enhancing code quality, collaboration, and team efficiency.
 - Developing VueJS integration to support and improve the overall functionality and user experience.
- Software Engineer, Axentor** 07/2021 – 09/2023
Cairo (hybrid)
- Led the adoption of unit testing practices, ensuring seamless maintenance.
 - Designed complex financial reports using SQL, Frappe, and JS.
 - Implemented a replenishment solution for the inventory and supply chain industries.
 - Built an ERPNext integration with Egypt Tax Authority using Pydantic
- Software Engineer, Effective Value Solutions** 03/2019 – 07/2020
Cairo (on-site)
- Spearheaded a research and development initiative to explore the integration possibilities of Apache Superset and ERPNext.
- Django Developer Intern, Almobarmig** 09/2018 – 12/2018
Alexandria (on-site)
- Developed a customizable e-commerce Django admin panel, enabling effortless product management and driving business profits.
 - Utilized React to enhance the frontend user experience, ensuring a dynamic and responsive interface.

Skills

Programming Languages

Python, Go, SQL, C

Cloud

AWS

Frameworks and Tools

FastAPI, Frappe, ERPNext
Pytest, Docker
Django, Flask
VueJS

Databases

PostgreSQL, MariaDB, EdgeDB

Projects

frappe-api, A framework for building APIs in Frappe with FastAPI experience

pytest-frappe, Core Maintainer, A pytest plugin for testing Frappe applications [↗](#)

fastapi-users-edgedb, Core Maintainer, An adapter for FastAPI Users that utilizes EdgeDB as storage. [↗](#)

TinyJson, Tiny JSON Parser in GO [↗](#)

Enabled, Graduation Project, An open-source, multi-tenant plugin-based LMS