



Ziad Hassanin

Junior Software Engineer; Doing
SRE, Loves anything that scales;
SREboy.com

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WORK EXPERIENCE

Junior Site Reliability Engineer - Jr. SRE

Silverkey Technologies

07/2022 - till now

Remote

Achievements/Tasks

- Responsible for the deployment and environment configuration.
- Automated the cleaning process of the company's private docker registry.
- Improved one of the company internal tools which was failing silently.

Junior DevOps

Software Engineering Course - CMPN203

02/2021 - 06/2021

Giza, Egypt

Tasks

- Worked as a DevOps for a whole semester in a team of 21 students.
- Ensured everyone understood and applied the values, principles, and methodologies of agile development.
- Implemented CI/CD pipelines from day one. Helped in managing different environments.
- Automated monitoring, rollback and scripts to spin and configure new servers. Besides Load balancing and Docker containers.

PROJECTS

Docker Private Registry (October/2022)

- Built a full Docker Private Registry to act as a test environment.
- Automated the cleaning process of the company's private docker registry.

SREboy.com/settings/ (May/2022)

- Designed, implemented and now maintains the smart_settings package.
- Little wrapper around settings files. Helps to manage your python programs' settings easily in a pythonic way.
- Technologies used: Python, MkDocs, GitHub Actions, Typer, Rich.

SREboy.com/Bastet/ (Jan/2022)

- Designed, implemented and now maintains the Bastet package.
- A high-level Python package encourages rapid development and clean, pragmatic design for FastAPI apps.
- Technologies used: Python, FastAPI, MkDocs, GitHub Actions, Typer, Rich.

Parallelism in Python and Go (April/2022)

- In-Depth analysis of parallelism techniques in Python and Go.
- github.com/ZiadMansourM/concurrency-parallelism
- Also more information at SREboy.com/talks

SKILLS

Python

Go

Rust

Bash

AWS

GitHub Actions

Docker

Kubernetes

Django

FastAPI

Nginx

Apache

ACHIEVEMENTS

Two Scholarships from USAID are estimated to be worth more than \$160k

Received two full scholarships from the US agency for international development. HEI and Access.

Higher Education Initiative Scholarship – HEI

Full bachelor's degree scholarship funded by USAID and managed under the supervision of Amideast Egypt. The acceptance rate was 1.6%, as only 120 students were selected from 7500.

(2x) Awesome Student of The Cohort – HEI

Proud that I was able to get it two times. Only seven students are selected each semester.

English Access Micro-Scholarship, AMIDEAST

Full scholarship funded by USAID and managed under the supervision of Amideast Egypt. The acceptance rate was 20%. The two-year program consisted of 9 hours/week over three sessions. Plus, some character building, American culture and computer skills.

EDUCATION

(Semester Abroad) Computer Engineering at San José State University (Jan 2022 -> June 2022)

GPA: 3.325 - Fully Funded by USAID.

(BE) Computer Engineering from Cairo University (Aug 2018 -> May 2023)

GPA: 3.27 - Fully Funded by USAID.

VOLUNTEERING ACTIVITIES

EducationUSA Ambassador | EducationUSA, U.S. Embassy Cairo

EducationUSA is the department's official source of information on U.S. higher education. Promotes the value of U.S. higher education to students, families, institutions, and governments abroad in an increasingly competitive global environment. I monitor international Bachelor's, Master and Ph.D. students. Throughout the whole admission and application process. And on how to finance their studies.

Founder of The Egyptian Science Arsenal - ESA

An online platform that aims to be an information, experience and ideas sharing club. An active community of 1.4k students from 14 to 24 years old.

Instructor at The Egyptian Red Crescent - ERC

In times of peace, The Egyptian Red Crescent is responsible for developing local communities. In summer, I give lectures to students from 14 to 24 years old, mainly in Education advising.

REFERENCES

Eng. Ali Hussein - Teaching Assistant

LinkedIn: @aliabdellatifhussein, Email: aliaseddeek@gmail.com

Ms. Yasmine Elroweiny - EducationUSA Senior Advisor

LinkedIn: @yelroweiny, Email: yelroweiny@amideast.org