Ziad Hassanin

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

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WORK EXPERIENCE

Junior Software Engineer
Misr Public Library at Luxor - MPLL
07/2021-08/2021   Luxor, Egypt

Achievements/Tasks
- Team Leader, responsible for the deployment and environment configuration.
- Designed and implemented the backend, which supported multiple types of users.
- Designed and implemented the backend of the blog part of the website.
- I ensured every component was extendable and reusable.

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.
- I ensured everyone understood and applied the values, principles, and methodologies of agile development.
- Implemented CI/CD pipelines from day one. Also, helped in managing different environments.
- Automated monitoring, rollback and scripts to spin and configure a new server.
- Load balancing and Docker containers.

PROJECTS

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: alielseddeek@gmail.com

Ms. Yasmine Elroweiny - EducationUSA Senior Advisor
LinkedIn: @yelroweiny, Email: yelroweiny@amideast.org