

Islam Abdelfattah

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Summary

Results-driven Full Stack Developer with 2+ years of experience in building high-performance and user-centric web and mobile applications. Proven track record of delivering scalable backend solutions using Python, Node.js, and AWS. Demonstrated leadership skills and a passion for continuous improvement.

Work Experience

Full Stack Developer | Paccgo, Inc | Feb '23 - Present

- Co-founded Paccgo and led a team of developers in delivering high quality mobile applications.
- Designed and implemented a highly available Node.js backend using Express.js, MongoDB, and AWS, ensuring scalability and responsiveness.
- Developed intuitive and feature-rich mobile interfaces using React Native and Redux, prioritizing excellent user experience.
- Established a continuous delivery pipeline, resulting in faster feature deployment and iterative improvement.
- Maintained a clean and efficient codebase through thorough testing and removal of redundant code.

Backend Developer | Naseej AAS | Cairo, Egypt | Jan '23 - Jun '23

- Led the development of a Python Flask backend for ArabicGPT, optimizing performance for a seamless Arabic language processing experience.
- Enhanced system functionality using Python Flask, Frappe, and JS backend solutions, improving overall performance and usability.
- Managed code quality and collaboration using Azure DevOps.
- Demonstrated effective communication and teamwork within a multicultural environment.

Backend Developer | Tqniat Lab LLC | Cairo, Egypt | Jan '22 - Jan '23

- Implemented scalable Python FastAPI microservices and APIs for MENA Flights and Hotels booking, expanding system capabilities.
- Improved real-time data synchronization and availability by enhancing existing APIs.
- Optimized query performance using SQLAlchemy and Redis, boosting system responsiveness.
- Resolved integration challenges to deliver a smooth and integrated user experience.

Projects

- **RouterWrapperJS**

An open-source wrapper for Express and Fastify routes, making them more compact with better chaining. Abstracting middlewares and other functions. Written in TypeScript. [\[Link\]](#)

Technical Skills

- **Programming Languages:** Python, TypeScript, JavaScript, C#, HTML, CSS, Java, C++
- **Frameworks & Libraries:** Flask, FastAPI, Frappe, Pandas, Numpy, Matplotlib, Node, Express, React, React Native, Redux, VanillaJS, Jest, WPF
- **Databases:** PostgreSQL, MySQL, MongoDB, ORMs, Redis
- **Other Tools & Technologies:** Docker, AWS, Socket.io, Git, Meilisearch, NGINX

Education

Moscow Institute of Physics and Technology | Moscow, Russia | Sept '18 – Jul '22

Bachelor's of Computer Science and Applied Mathematics