Abdelrahman Soliman

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Skills

- AWS | Azure | Docker | Kubernetes | Jenkins | Ansible | GitHub Actions | GitLab | Java | JavaScript | Python | Node.js | C# | SQL | NoSQL
- REST/Webservices | React | Angular | AWS Services (Lambda, S3, Cognito, ECS, IAM) | Linux | OpenShift | CI/CD | SDLC | Problem-solving.
- Proficient in English, French (Intermediate Proficiency) and Arabic (Native) | Consistently Eager to Expand Knowledge and Skills.

Experience

Teaching and Research Assistant **Carleton University** *Ottawa, ON, Canada* **09/2022 – 08/2024**

- Taught Applied Cryptography & Authentication, Fall 2022/2023 | Principles of Computer Networks, Winter 2023/2024.
- Conducted research in computer networks and cloud computing | contributed to professional growth in academia and research.

Cloud Engineer **ZADK Software Co.** *Cairo, Egypt* **09/2021 - 09/2023**

- Architected and deployed robust cloud solutions on AWS and Azure, **enhancing deployment efficiency** by **30%**.
- Automated infrastructure management using Terraform and Ansible, streamlining operations and **cutting manual tasks** by **50%**.
- Designed and maintained **CI/CD** pipelines with Jenkins and **GitHub Actions**, significantly improving deployment speed and reliability.
- Implemented cloud security best practices, ensuring compliance with industry standards and **reducing security incidents** by **20%**.
- Led cloud migration projects, transitioning on-premises applications to the cloud, achieving a **25% reduction** in operational costs.
- Monitored and optimized cloud performance, resulting in a **40%** increase in system **uptime** and **reliability**.

Network Administrator **Egyptian Armed Forces** *Cairo, Egypt* **08/2020 - 09/2021**

- Oversaw and maintained critical network systems, ensuring reliable connectivity for over **400 military operations**.
- Designed and deployed software solutions to improve operational efficiency and secure communications.
- Gained extensive training in military protocols, enhancing skills in discipline, teamwork, and strategic problem-solving.

DevOps Engineer **Information Technology Institute** *Alexandria, Egypt* **08/2019 - 08/2020**

- Implemented and managed **CI/CD** pipelines, automating deployment processes to enhance software delivery efficiency.
- Collaborated with dev and ops teams to improve workflows, system reliability, and infrastructure scalability.
- Utilized **Docker** and **Kubernetes** for containerization and orchestration, optimizing application deployment and performance.

DevOps Engineer **eSpace** *Alexandria, Egypt* **08/2018 - 08/2019**

- Worked on various projects and gained experience in software dev methodologies. Applied programming skills with **React** and **Node.js**.

IT Support Specialist, Intern **Arab Petroleum Pipelines Company** *Alexandria, Egypt* **06/2018 - 08/2018**

- Provided technical support and troubleshooting for IT systems, ensuring optimal performance and security.

Software Developer, Intern **AASTMT** *Alexandria, Egypt* **06/2017 - 08/2017**

- Developed and enhanced software tools using **PHP**, **MySQL**, and **JavaScript** to manage digital resources.

Education

Master's in Computer Science **Carleton University** *Ottawa, ON, Canada* **09/2022 - 08/2024**

- Major in Network Security under the supervision of Prof. Abdou.

Bachelor's in Computer Science **AASTMT** *Alexandria, Egypt* **02/2016 - 09/2019**

- Major in Computer Science and Minor in Information Systems, GPA of **3.93/4.00** Excellent with Honors.

Projects

- **CharityML donor prediction:** Used **AWS** for scalable data processing with **sklearn**, pandas, and **NumPy**, optimizing ML models in the cloud to improve **F-score**.
- **Quality Control Information System Grad Project:** Implemented cloud-based data analysis on **AWS**, applying **UML** for system design and ensuring **NAQAA** Quality Standards compliance.

Certifications

- Cybersecurity Analyst Professional Certificate (IBM) | AI Engineering Cert (IBM) | Deep Learning Specialization (DeepLearning.AI)
- Machine Learning Cross-Skilling Nano Cert (MCIT) | Machine Learning Cert (Stanford) | Machine Learning in Data Science Cert (HarvardX)

Others

- Full Merit-Based Scholarships (AASTMT, Carleton University) | WES Verified Intl Academic Qualifications | Math Olympiad Cert (KFUPM)
- GRE Quantitative Score of 158 | **Interests**: Cloud-native development | Open-source cloud projects | Cloud hackathons | Personal cloud automation | Latest cloud trends | Technical blogging | Cloud conferences | Mentoring | Innovative cloud solutions