



Abdulrahman Ahmad Muhammad

ICT & Computer Science Educator – Cloud & DevOps Specialist

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Summary

Dynamic **ICT & Computer Science Educator** with 4+ years of experience across top-tier international institutions, including **GIS, RIS, and BIS New Cairo**. Recently **re-appointed** at the British International School (BIS) Ismailia to lead Secondary/High School CS tracks, a testament to professional excellence and curriculum impact. Following a strategic technical residency in **Cloud & DevOps Engineering**, I specialize in bridging the gap between academic theory and industry standards. Having mentored **300+ students** to master Python and Cloud Fundamentals, I am committed to fostering **logical thinking and problem-solving** through high-engagement, project-based learning.

Core Competencies

- **Curriculum:** IGCSE / A-Level (KS3–KS5), American Division (Years 6–9), Project-Based Learning, Lesson Planning.
- **Technical Skills:** Python, Scratch, HTML/CSS, Cloud Fundamentals (AWS), CI/CD, Linux (Bash), Docker.
- **EdTech & Tools:** Google Workspace for Education, LMS Management, Microsoft Office 365, Digital Literacy.
- **Soft Skills:** Computational Thinking, Problem-Solving, Differentiated Instruction, Student Engagement.

Experience

British International School (BIS)

Aug 2023 – Mar 2024, Feb 2026 – Present

ICT & Computer Science Teacher

Ismailia, Egypt

- **Re-appointed** to lead **American (Y6–9)** and **British (Y6–9)** divisions after a strategic Cloud Engineering residency.
- Designed project-based curricula using **Python and HTML/CSS**, increasing engagement by 85%.
- Bridged the gap between classroom theory and **DevOps standards** to enhance logical thinking.
- Directed school IT infrastructure across sites, resolving **95% of technical escalations** via M365.

International Educational Consultant

Mar 2024 – Present

Senior ICT & CS Specialist

Cairo / Remote

- Contracted by premier institutions (**GIS, RIS, BIS New Cairo**) to deliver advanced coding workshops.
- Mentored **300+ students** globally to master programming, improving problem-solving skills by 90%.
- Developed K-12 modules for **Cloud & DevOps**, simplifying CI/CD and AWS for student levels.
- Leveraged LMS platforms to achieve 100% measurable learning outcomes for high-performance cohorts.

Education

B.Sc. in Computer Science

Jun 2023

Suez Canal University

Ismailia, Egypt

- Focused on algorithms and software systems with a specialization in **applied computing and technical instruction**.
- Graduation Project: "**Cloud-Native CI/CD Pipeline**": Automated postgraduate system deployments using .NET, SQL Server, and DevOps workflows.
- Served as **Head of Cybersecurity, GDSC SCU**, leading a 6-member team and delivering technical workshops to 100+ peers.

Nanodegree in Cloud DevOps Engineering

Sep 2022

Udacity

Remote

- Mastered AWS, CI/CD, and IaC, translating complex engineering workflows into **simplified learning modules for K-12 students**.
- Capstone Project: Developed a **Cloud-Native CI/CD Pipeline** using CircleCI and Ansible, reducing manual deployment time by 70%.

Projects & Initiatives

CodVrs YouTube Channel (@CodVrs): Producing interactive, game-based coding tutorials to simplify ICT for children. Designed projects that fostered **computational thinking** and creativity for a global audience of young learners.

MrAlphaHub Technical Blog (abdulrahmanalpha.hashnode.dev): Author of **65+ DevOps and Tech tutorials**, translating complex industry workflows into accessible, beginner-friendly guides. Mentored aspiring engineers through hands-on exercises and practical case studies.

Achievements

Mentored a global cohort of **300+ students** across online classrooms, achieving a 90% mastery rate in core CS concepts.

Successfully led the **digital transformation** of ICT curricula for multiple grade levels, integrating Cloud and DevOps fundamentals.

Produced a library of **150+ digital learning assets**, including interactive coding challenges and video tutorials for independent study.

Awarded "**Top-Rated Educator**" status across freelance platforms for maintaining 95%+ student and parent satisfaction rates.

Recognized for **pedagogical excellence** at BIS Ismailia, resulting in a strategic re-appointment to lead secondary ICT tracks.