

Ahmed Elmalla

Suez, Egypt

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Experienced ICT & Computer Science Educator

- Senior Software Tutor (19+ years) | Certified by Prestigious Universities
- Accomplished educator certified by Stanford, Alberta, Pennsylvania, and California Irvine universities.
- Specialized in teaching O-level & A-level CS IGCSE, AP CS, Java, Python, and VB.NET.
- Demonstrated expertise in developing and delivering engaging lessons tailored to individual learners, ensuring effective comprehension.
- Passionate about fostering student growth in the dynamic field of programming.

Work History

Computer Science Educator, HW Academy, Remote (2023 - present)

[Testimonials](#) , [Youtube Channel](#)

- Successfully taught Java to AP CS A students, German University students.
- Instructed IGCSE AS/A-Level and O-level using Python and VB.NET.
- Provided comprehensive tutoring on OOP & data structures using Python to university students worldwide, with a significant impact on learners in Malaysia, the US, and the UK.

Programing Coach, Intelligence Com, Saudi Arabia (2020 - 2022)

KACST University Incubator

- Led initiatives in building Android applications for COVID tracing, smartwatches for diabetes remote monitoring, and disease predictions.
- Played a crucial role in coaching team members on design principles and business strategies, contributing to the overall success of projects.

Senior Software engineer, HW Enterprise, Malaysia (2016 - 2020)

- Built android applications for tourists, Sports and Bluetooth control devices.
- Worked with XML, JSON, Google Maps, GCM, Google Places API, Google Maps and Web APIs.
- Built libraries for Bluetooth communication, GeoIP tracking and for tracking FB ads results.

Projects Supervisor, MariMatic Oy, KSA (2013-2016)

Finnish company manufacturing Automatic waste collection systems

- Supervised computerized control (C# & SQL) projects in Sweden, Finland and Saudi (Haram Expansion in Makkah & Mena Tent Camps).
- Co-ordinated remote teams design activities in Dubai, Saudi and Finland.

Work History _ CONTINUED

Project Manager, Komax Systems Malaysia, Malaysia (2011-2012)

Swiss company (Public listed) Medical products.

- Managed high valued medical software projects.
- Led multicultural teams of more than 10 people.
- Developed data analysis software using C# to collect smart cameras data.

Project Leader, Smartrac Automation Sdn Bhd, Malaysia (2010-2011)

German company (Public listed) Electronic products

- Managed foreign governments related software projects.
- Led diverse teams in overseas installation tasks (Germany and Thailand).

Senior Software Engineer, Smartrac Automation Sdn Bhd, Malaysia (2006-2010)

German company manufacturing RFID labels and tags

- Completed more than 30 software development Projects.
- Led R&D Team products improvements.
- Built vision Applications using smart Cameras.
- Provided Front line support for overseas clients (Germany, Brazil, and Thailand).

Part-Time Instructor, Kingston Training & Management Sdn Bhd, Malaysia

- Instructed C/C++ programming, showcasing teaching abilities in practical coding skills.

Part-Time Instructor, Institute Informatics, Malaysia (2005-2007)

- Educated IT managers and network administrators in CCNA (Cisco Routers) and resolved network technical issues.
- Conducted training for NEC technical support on Red Hat Linux V.9 Administration, emphasizing DNS & MAIL server configuration.
- Taught Linux POSTFIX mail server for both Red Hat & Fedora, highlighting expertise in Linux administration.

Technical Support, Miratex Co., Egypt (2003 - 2005)

Textile products Production Company

- Managed IBM xSeries servers' hardware & software, demonstrating proficiency in IT infrastructure planning and optimization.

Embedded Systems Programmer Internship, CAD-UL AG, GERMANY (2000)

German Software Company producing embedded systems tools

- Contributed to building STPC microprocessor plugins for cross-compiler tools using C++.

Textile machinery engineering Internship, W.Schlafhorst AG, GERMANY (1999)
German company (Saurer Group) Textile machinery builder

- Received training in engineering and software technologies within a German textile machinery builder (Saurer Group).

EDUCATION

Nanodegree: Data Analysis in Python

From: Udacity, 2021

Bachelor of Science: Electrical & Computer Engineering

Institute: Higher Technological Institute, 2001

Certificates

- Certified Project Manager - PRINCE2 (Candidate no. P2R / IN079488) – (APMG - UK).

Training

- Learning how to learn with "Barbra Oaklay" from Oakland University
- Learning How To Learn for Youth - Arizona State University
- Uncommon Sense Teaching - Deep teaching Solutions (by Jan 2024)
- Practical Teaching with Technology - University of London (by Feb 2024)
- Advanced Instructional Strategies in the Virtual Classroom from University of California, Irvine (Mar 2024)
- Assessment for Learning by University from Illinois at Urbana-Champaign (Mar 2024)
- Data Analyst in SQL Track - Udacity
- Android Development - Udacity
- AI in HealthCare Specialization - Stanford University (doing Capstone project now)
- Software product management specialization – University of Alberta (to be completed by mid of 2024)

TECHNICAL SKILLS

- **Tools:** NetBeans, Visual Studio, Toad, XAMPP, Google Analytics, SimilarWeb, Android Studio, OpenCV, PyCharm, Jupyter notebook.
- **Programming Languages:** PHP, Java, Ruby, C# (.NET4), SQL, PLSQL, C, C++, VB6, CSS, JS, HTML, CSS, Python, FLASK.
- **Databases:** Oracle Database, SQLite, MYSQL

PERSONAL

- **Home in Malaysia:** 21 lorong ktc 3/7, kulim Techno City, Kedah 09000, Malaysia
- **Driving License :** Malaysia, Saudi Arabia, Egypt
- **Languages :** English (professional), Malay (Basic) , Arabic (Mother Tongue)
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