

Résumé Mohamed Wahby

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General Info:

Birth Date: 26.12.1990
Nationality: Egyptian/German
Married, 2 Kids



Professional practice

- 02.2021 – **Fachmedien Otto-Schmidt KG, Düsseldorf, Germany**
now *Senior Full-Stack Software Developer (03.2023 – now)*
Full-Stack Software Developer (02.2021 – 03.2023)
- Development and co-management of the E-Shop www.fachmedien.de (Dotnet Core, C#, JavaScript, JQuery, Ajax, Cronjobs, HTML, CSS, Bootstrap, Responsivity, Barrier-Free, SQL, Databases, SSMS, RegEx, Mailing, MJML, DevExtreme, ...)
 - Web development of internal Tools/Workflows (Python, Django, Rest/Soap API, ...)
 - Use/expansion of interfaces, APIs and web services to external applications related to online publishing
 - Development/optimization of scripts for mass processing of structured data (XSLT, DTD, XML, Xpath, Schematron, batch, ...)
 - Use of modern development and versioning tools and environments such as Microsoft® Visual Studio, SVN, GIT and Azure® DevOps
- 06.2018 – **dSPACE GmbH, Paderborn, Deutschland**
10.2020 *Software Developer /Tester (Student Job)*
- Script development (Python) in the field of autonomous driving (e.g., parameter variation for scenarios / KPI calculation)
 - Add-on development (Python) for a data management software
 - Development (Python) of organizational helper tools (e.g., automated processing of Excel files)
 - Development and execution of test scripts (Python, Unit-Testing) for automated tests
 - Maintenance of existing test scripts and adaptation of test libraries for new features
 - Execution of manual and exploratory tests
 - Development of basic XSLT and Windows batch scripts
 - Documentation of newly developed tools, addons and manual tests
- 04.2014 – **Xceed Egypt, Smart Village, Cairo, Egypt**
10.2015 *Telecom Support Engineer*
- Resolution of voice and data network faults and problems detected by the Network Management Station or reported by the Helpdesk (CISCO, SQL, Subnetting, Switching, Port Security, VLANs, Monitoring)
 - Management of Voice ACD systems and voice applications (AVAYA, ASA, CMS, Billing, Recording)
 - Conducting regular checks and backups, and preparing reports on PBX and data network performance
- 01.2013 – **Headquarters of the Air Force, Cairo, Egypt**
03.2014 *Compulsory military service* - Maintenance of computer networks, computer hardware and software
- 07.2011 – **Jointservicesltd, Cairo, Egypt**
08.2011 *Internship* - Maintenance and calibration of drilling rigs and sensors
- 08.2010 – **Baker Hughes Inteq. Kattamia Workshop, Egypt**
09.2010 *Internship* - Safety training. Maintenance and calibration of drilling rigs and sensors

Education

- 04.2017 – **Master of Science Electrical engineering** (Taught in German) (Grade: Very good)
05.2020 *University of Paderborn, Germany*
Renewable Energy, Cognitive Systems and Microelectronics
- Master Thesis** (Individual) (Grade: Very good)
“Investigating the functionality of PCM Solar Air-Conditioning Systems” (Homer Pro)
- Group projects**
“Wind Speed Logger” (Python), “Smart Home Bus-Technologies”, “Energy consumption in micro-apartments”, “Driver assistance systems”
- Key Topics:** Solar PV, Wind, Grids, Smart Homes, Autonomous Driving, Robotics

10.2015 – **German language for university entrance “DSH”** (Degree: DSH2 in Level C1)
12.2016 *University of Paderborn, Germany*

10.2007 – **Bachelor of Science Information Engineering & Technology** (Grade: Good)
07.2012 *The German University in Cairo “GUC”, Egypt*
Telecom & Networking

Bachelor Thesis (Grade: Excellent)

“Multi-level Proximity Localization using Zigbees” (MATLAB)

Group projects

“TETRAVEX” (Java), “Wireless power signal Monitoring” (python), “Circuit Design” (PSpice)

Key Topics: Network Protocols, Switching, Routing, Wireless, Signaling, Control (SS7), Core, Security

09.2005 – **High School** (Grade: Excellent)
05.2007 *Horus Language Schools, Cairo, Egypt*

Expertise

- **Development/Modelling:** Pro:(Python, C#, SQL, HTML, CSS), Middle:(Javascript, JQuery, Ajax, XSLT, Batch-Scripting, MATLAB), Beginner:(Java)
- **Apps/Frameworks:** Dotnet Core, MJML, DevExtreme, Django, Visual Studio, MS SQL Server Management Studio “SSMS”, SVN, GIT, Azure® DevOps, Crontab, Bootstrap, RegEx, Rest/Soap API, MS Word/Excel/PowerPoint
- **IT/More:** Avaya Site Administrator “ASA”, Call Management System Supervisor “CMS”, CallVisor, Witness ContactStore, CallViewer, Cisco Packet Tracer, Packet sniffer, CCNA knowledge, Homer Pro

Further certificates

03.2017 **UNicert III – English C1**
University of Paderborn, Germany

12.2013 **ITIL Foundation in IT Service Management**
EXIN Certification Institute

Language skills

- Arabic – Mother tongue
- English – Fluent in speaking and writing at level C2+
- German – Business Fluent in speaking and writing at level C1
- French - Basic knowledge at level A1

Leisure activities

- Swimming (2-3 times per month)
- Beach activities and grilling (1-2 times per month)
- Computer-aided music production (e.g., FruityLoops)
- Exploratory traveling (1-2 times per year)

Cairo, 4.8.2024

M. Wahby