Résumé
Mohamed Wahby

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

Professional practice

02.2021 – now
Fachmedien Otto-Schmidt KG, Düsseldorf, Germany
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, Responsive, Barrier-Free, Entity Framework, LINQ, 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 – 10.2020
dSPACE GmbH, Paderborn, Deutschland
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 – 10.2015
Xceed Egypt, Smart Village, Cairo, Egypt
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 – 03.2014
Headquarters of the Air Force, Cairo, Egypt
Compulsory military service - Maintenance of computer networks, computer hardware and software

07.2011 – 08.2011
Jointservicesltd, Cairo, Egypt
Internship - Maintenance and calibration of drilling rigs and sensors

08.2010 – 09.2010
Baker Hughes Inteq. Kattamia Workshop, Egypt
Internship - Safety training. Maintenance and calibration of drilling rigs and sensors

Education

04.2017 – 05.2020
Master of Science Electrical engineering (Taught in German) (Grade: Very good)
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 – 12.2016 | **German language for university entrance "DSH"** (Degree: DSH2 in Level C1) |
| | *University of Paderborn, Germany* |

10.2007 – 07.2012	**Bachelor of Science Information Engineering & Technology** (Grade: Good)
	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 – 05.2007 | **High School** (Grade: Excellent) |
| | *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, Entity Framework, 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, picknicks and grilling (1-2 times per month)
- Computer-aided music production (e.g., FruityLoops)
- Exploratory traveling (1-2 times per year)

Ratingen, 26.8.2024

M.Wahby