Safwan Shaib

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Summary of Qualifications

- Computer Engineering Technology graduate with a strong passion for integrating software and hardware.
- Detail-oriented and critical thinker with strong technical skills in various areas of computer engineering and technology.
- Excellent time management skills paired with analytical and problem-solving abilities that drive efficient task execution.
- Proven track record of effective collaboration within cross-functional teams, with the ability to adapt rapidly to evolving technologies.
- Exceptional personal and interpersonal skills that facilitate positive relationships and teamwork.
- Proficient in written and verbal communication, with fluency in Arabic and Turkish in addition to English.

Technical Skills

Operating Systems:	*Windows, Linux/Unix.*
Applications & Tools:	*Microsoft Excel, Azure Sandbox, Android studio, Cisco, Vivado, Raspberry Pi, Arduino, Firebase.*
Tools:	*Google Workspace, RDBMS, IBM Cognos Analytics, Jupyter, powerBI SQLite.*
Project Management:	***Agile***, *DevOps, Scrum, Waterfall, Kanban, Trello, Monday.com.*
Languages:	*SQL, Python, C language, Java, HTML, CSS, JavaScript, DOM, jQuery, AJAX, PHP, PowerShell, Bash scripting, VHDL and assembly language.*
Other:	*Rockwell Automation (Allen Bradley PLCs), Electronics and circuit interfacing (PCB), UART, SPI and I2C, RFID/NFC, MQTT, IOT and RTOS, Sensors (Temp, GYRO, Gas, ...), Data Structures and Algorithms, TCP/IP/UDP, DNS, DHCP protocols, Cybersecurity fundamentals, Web Development, Virtualization (VMware, VirtualBox), Web servers and socket programming*

Education & Certifications

Microsoft Azure Fundamentals Professional Certificate	**Oct 2023**
IBM Data Analyst Professional Certificate	**Sep – Dec 2023**
Junior Data Analyst Program	**Aug – Dec 2023**

NPower Canada | Toronto

14-week intensive online training on the fundamentals of computer technology, and project management

- Utilize Excel spreadsheets to perform data wrangling and data mining
- Develop working knowledge of Python language for data analysis using Pandas and NumPy
- Effectively complete a capstone project by collecting data from multiple sources, performing exploratory data analysis, data wrangling, statistical analysis and mining of the data using Python libraries
- Work extensively on creating charts and plots to visualize data, and building an interactive dashboard using IBMs Cognos Analytics and various Excel charts/graphs
- Visualize data using Python libraries including Matplotlib, Seaborn, Plotly and Dash
- Compose queries to access data in cloud databases using SQL and Python from Jupyter notebooks

- Explain cloud concepts, benefits of cloud computing and core Azure architecture components
- Use core Azure services and choose the Azure AI services that best address a company's challenges
- Control Azure spending and managing bills by applying recommended practices to minimize cost
- Demonstrated a high level of understanding of Agile Project Management Lifecycle and key techniques and successfully complete Agile projects using tools such as Scrum, Kanban

Computer Engineering Technology - Advanced Diploma (GPA 82%)   **Jan 2020 – Dec 2022**
Humber College│ Toronto, Ontario

Work Experience

Customer Support Officer (Front Line Technical)   **Aug 2015 – Mar 2016**
NSI NET (Telecommunication Company) | Hatay, Turkey
- Oversaw and managed a daily average of more than 150 calls, addressing a wide range of technical issues, providing system support, and resolving cell inquiries
- Collaborated effectively with colleagues in various departments, including documentation, translation, and technical problem-solving, to ensure seamless operations and enhanced customer support
- Demonstrated enthusiasm and energy in addressing each client call, resulting in consistently high levels of customer satisfaction

Volunteer Experience

First-Year Experience Volunteer   **Sept – Nov 2021**
Humber College│ Toronto, Ontario
- Peer Mentor for Humber College's FYE program to assist and help new students with the transition into post-secondary education

Special Projects

Nail Salon Website Development (In planning)   **Oct 2023 – Present**
Freelance Project | Toronto, Ontario
- Actively planning and auditing website development for a local nail salon.
- Optimizing various development options based on client requirements and competitors.

Humane Smart Mouse Trap   **Aug 2022 – Present**
Personal Project | Toronto, Ontario
- Designed and built a tool that utilizes a small and cost-effective microcontroller, enabling remote notification of successful mouse captures.

Martian War Machine   **Jun 2023 – Dec 2023**
Personal project | Toronto, Ontario
- Enhanced a toy by embedding a system that synchronizes audio playback with lighting effects activated by motion detection.

Smart Home Controller IOT Project   **Sep 2021 – Dec 2022**
Humber College│ Capstone Project
- Designed, printed, and soldered a PCB with 4 sensors and programmed the Raspberry Pi accordingly.
- Developed an Android app connected via Firebase to the hardware allowing control over the internet.
- Managed project activities and collaborated with team members to meet project deadlines.