Gabriel Dzsurdzsa
Web Developer & Data Modeler

Contact

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Profile

Organized, dedicated and ambitious programmer professional with 12 years of experience in desktop & web applications development.

Experience

September 2022 – September 2023

WordPress Developer, Angstrom Engineering (Physical Vapor Deposition Systems)

Contract to re-design, implement, and manage the Angstrom Engineering website. This included: prototyping, installing & configuring plugins for functionality, SEO setup and configuration, webstore setup via WooCommerce, including data modeling for the online sales inventory & more. The website is largely automated currently and is built solely via WordPress without the use of any code.

Key Takeaway Skills & Habits:

- Work within the limits of the company's technology stack.
- Minimal code promotes self-service models.
- Keeping the company's established business model intact while transitioning to online sales

Programming & design technologies used:

- PHP in WordPress, HTML5, CSS3 & JavaScript
- Open AI GPT 3 implementation
- Wolfram Scientific Data AI implementation in Excel
- Tentative Data Model built using Excel Data Modeling tools, Power Query and PowerPivot from data exports.

June 2019 – October 2021

Software Developer & Automations, BIT (Bercel Integrated Technologies)

Performed analysis of customer environments, managed these environments, and created workflows and IT solutions to tackle business issues & suggest productivity improvements. This included developing new, minimal software, Windows automations, websites & web portals, cloud and on-premises data and file repositories via HTTPS and FTPS to meet any individual customer or organizational needs. Automations ranged from using Monitoring suites like Kaseya to scripting in Windows via VBS, VBA & JavaScript.

Key Takeaway Skills & Habits:

- 24/7 support is a must for any delivered solution, to help promote the solution in the future.

- Hone an I.T. language that works for different levels of understanding and skill. Include management in this consideration.
- Deliver solutions on time and according to initial or revised scoping.

Programming & design technologies used:

- PHP in WordPress, HTML5, CSS3 & JavaScript
- VBS, VBA
- Windows Server administered with IIS.
- Kaseya VSA

| August 2015 – August 2018 | **Senior Software Developer & Automations, Kraus Flooring** |

Employed with the company at a time of modernization and transition. Kraus Flooring ownership was in the process of being transferred to a U.S. Conglomerate. 3 key challenges were tackled during this transition: moving the massive 20+ year data repository from an AS400 IBM tape system to a modern MS-SQL powered database that can interact with applications, building an online sales portal for the company's dealer network, it's main source of revenue, and creating a team that can cohesively tackle any new future challenges.

Key Takeaway Skills & Habits:

- Constant communication with all stakeholders involved, although exhausting, is a must for such shifts in the company's direction.
- Managerial levels of patience and understanding, as the process of modernization is incredibly complex and draining for all those involved.
- Always remain focused with the final objectives in mind as significant changes take time and can be very confusing.

Programming & design technologies used:

- .NET & C# with MS-SQL databases
- HTML5, CSS3 & JavaScript
- VBS, VBA
- Windows Server administered with IIS.

| 2014-2015 | **Software Developer, Revera (now Cogir Living)** |

Web development in ASP.net Web Forms. Converted classic ASP to ASP.net via the creation of custom controls for the customer. The process involved the design & logic implementation of the company's safety inspection form for their retirement homes. This meant programming the physical form into an ASP.net We Forms Wizard and attaching this as a module to the company's existing suite of applications. The purpose of the form was to assess the safety of any given retirement location during impromptu government inspections.

Key Takeaway Skills & Habits:

- Coding paper copies of a process or assessment document must be done with 100% accuracy. Attention to extreme detail, to the decimal points of numbers, is required.
- The skill to embed in existing small, scrum-based teams, adapt their technology stack and develop along existing or new standards.

- The health and safety of seniors is a challenge of utmost importance; Habits to double, triple check code and run through the application developed out of necessity and the good spirit of care.

Programming & design technologies used:

- ASP.net (now part of .NET open-source) & C# with MS-SQL databases
- HTML5, CSS3 & JavaScript
- Windows Server administered with IIS.

2014-2020   **Owner / Developer, Falx Consulting**

Small business web hosting, custom web development and I.T. consulting. Full-Stack Development, deployment, and application lifecycle management often with tight deadlines and less knowledgeable stakeholders. Business was primarily involved acquiring clientele, assessing the clientele's software needs, looking at existing standards or adopting new technology standards. Typically, a customer would usually need a simple business-card style website, while larger businesses would require more extensive assessment and embedding into existing technology stacks.

Key Takeaway Skills & Habits:

- While service was established, learning the administrative side of a business helped me tackle the multi-latitudinal challenge of running the business behind the scenes, with tasks such as taxation and registration for payrolls.
- While doing most of the work in acquiring clientele and delivering the final product, some scenarios required inter-business collaboration, for example when a division between the work for design and data-modeling was required at a larger scale.
- Not one business is the same, and although delivering what the customer wanted and needed was on point and successful, the customer's consistent adaptation and the building of a habit to interact with the solutions ensured their long-lived performance.

Programming & design technologies used:

- PHP in WordPress with Python
- .NET & C# with MS-SQL databases
- HTML5, CSS3 & JavaScript
- Windows Server administered with IIS.
- Linux Server administered via cPanel.
- VBS & VBA

2012-2014   **Business Analyst, RDM Corporation**

SQL database design, administration, and application support. First year involved administering multiple SQL databases as part of the Operations department. The company was at the forefront of digital check(cheque) depositing via mobile app and their own custom built cheque scanning machines. Majority of the clientele was U.S. based and the Operations department transacted amounts in the hundreds of millions of U.S. dollars daily. Second year, saw me shifting to application support. During which time I developed an OS web-based scanning application that helped customers determine whether their systems supported the check scanners. This helped the company tremendously and saw me permanently moved to applications development. This coincided with a better opportunity at the time, one that helped me be in more control of what I delivered to customers.

Key Takeaway Skills & Habits:

- The ability to transition quickly to other departments and adapt their workflows.
- Understanding complex database systems that transact copious amounts of cash.
- Introduced to ASP.net (now all under the .NET umbrella), MS-SQL, SQL Management Studio as well as Windows Server and IIS administration. This experience coupled with the transition to the development department was invaluable to setting me off on the right track.

Programming & design technologies used:

- MS-SQL with SQL Management Studio
- Windows Server 2008 with IIS 6
- ASP.net & VB

Education

August 2020	**Kaseya University**	
	Kaseya VSA Certified Technician	
July 2015	**Microsoft Programming in HTML5 with JavaScript & CSS3**	
	Microsoft	
2008-2009	**General Arts & Science Certificate**	
	Conestoga College	

Coaching Points

Some things that I need constant improvement in:

- The ability to yield to individuals or superiors that are simply more knowledgeable than myself. The recognition of such individuals in all areas of my life.

- The ability to have others less knowledgeable take the lead and bring a project to fruition. To work to support a team's ambitions beyond my own.

Key skills and characteristics

· Critical thinking	· Adaptability
· Handling pressure	· Empathetic & Commensurate
· Leadership	· Excellent communication skills (quadrilingual) with the uncanny capacity to learn new languages simply by listening.
· Problem solving	· A computer wizard

Spoken Languages

Romanian (native language)
English (fluent and naturalized)
French (second language, conversation level)
Hungarian (second language, conversation level)

Extra

Hosting Server Account with GoDaddy
OpenAI API membership, access to GPT 3.5 AND 4.0 preview. Implementation of OPENAI in C# and Excel.
VR Capable (I own a Meta Quest 2)
UNITY Enthusiast (With a significant 2D, 3D, AR, VR asset store library)
Python capable, 3rd party implementation of new X API (formerly Twitter): Procuring tweets based on a list of names and usernames, modifying tweets on own timeline, API call statistics.