

PROFILE

Driven-by-results, Fast-learning, Easy-to-adjust-in-any-environment, can-do-anything attitude and project driver RAD tools developer, software architect, VB developer (VB6 + VB.NET) with over 19 years of experience.

Developing user-friendly, customized and smart Microsoft Excel spreadsheets and tools, **VB.NET** desktop and web applications with detailed technical user documentation. Proficient in working on all aspects of the software development cycle including design, development, debugging code, identifying front/back-end interfaces, regression testing, and end-to-end system/functional testing.

Design and build **RAD** tools that solve real-life issues with multi-language interface using **Excel-VBA-SQL**.

PROFESSIONAL EXPERIENCE

<http://Lnked.in/ANmars>



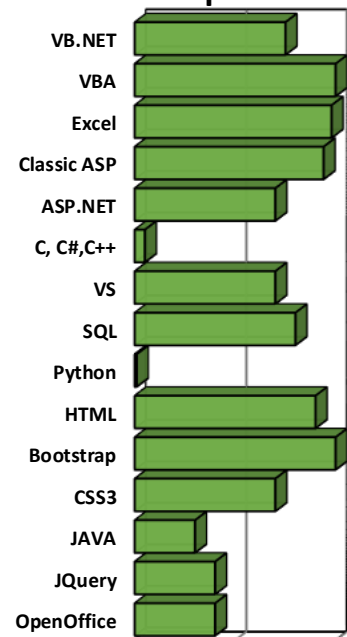
Quality Tools Developer

HERE - Nokia, Chicago, Illinois

Feb 2014 to Present

- Converted from a contractor to full-time after 1st year.
- Design, develop and create Masdar, a Text-Matching tool in pure **VBA** to compare between two different data sets and return matching percentage. Output will be confirmed by user to feed into future matching.
- Create and Manage **MSSQL** DB and connect it to several tools in to move all data used for Quality testing into online DB.
- Developing TeeMan v2.0 then v3.0, following the success of TeeMan v1, by adding features of connecting to DB to download and upload test, Audit report to be performed by auditors (another level of users), validations and correcting users if something went wrong.
- Creating Retest tools, set of tools to calculate refresh rate, coverage, decay rate and other map factors, with customization.
- Using tools along the way to lead and communicate the developing efforts and progress like **JIRA, TFS, IIS**, etc.
- Leading the technical effort for Project2016, to move all data into one centralized database having the ability to expand in the future.
- TTR, a set of two tools. First is ReeTime, to collect data from **XML** online sources along with local files generated by SQL routine into one table daily. And second tool Time2Ree, to analyze this daily data written by ReeTime to compare and detect changes and addition data. Saving the team \$120k on 1st year
- Created TeeGen, **Excel-VBA** customizable tool to create Tallysheets using source raw data from map shape files, presenting the Rule technique to tell the tool what to do in case certain set of conditions has been met, those Rules can be fully customized by Admin, while user can only generate Tallysheets using those rules.
- Creating TeeMan v1.0, a Tallysheet manager tool allows tool to accept entry from end users around the globe, using “Rules” technique, tool accepts certain input if certain rules are met, and accept others if not. Also presenting the “Tree-Structure” tool that can run in all versions of **Excel** with no need to any outside libraries.
- Develop several **Excel-VBA** ad-hoc **RAD** tools to read from online **APIs** based on input provided from end user, like TeeAup, TeeRCA.

Experties



Lead Application Developer

Dawn Foods, Jackson, Michigan, (*Part-time, remote*)

Mar 2014 to Present

- Creating several projects to automate and create reports using several technologies.
- Web SAP tool to create **PDF** on the fly for the entire corporate sale points using **ASP.NET**.
- System built in **.NET+SQL** database using Visual Studio, along with **iTextPDF** tool to create custom PDF order for all products used across the company.

- Lead the process of building the tool in phases, and managing the change into new version, starting from one type of products to include 5 types now.
- Adding **brain** to the tool, features like detect if this is plant A or Plant B, then decide based on that the type of product to produce, or like based on the time that order is generated if we need to have night shifts or not, etc.
- Creating an **Excel-VBA-SQL** system to manage the SQL Database from two levels of users, Admin and end-user, each has own privileges and settings.
- Creating a customized flexible tool to do import/export spreadsheet to feed into JBM system. The customization added to allow users to change any of the settings used inside the tool without the need of coding.
- Completed before the deadline saving company 30% of budget estimated by management.

Lead Excel VBA DeveloperWilliam W. Rutherford & Associates, Dallas, Texas, *(Part-time, remote)****Dec 2015 to Dec 2016***

- Creating WeeSS (SSVGC Report) to load data from source, analyze it, create formulas and functions to calculate results, then create final **PDF** having all charts and diagrams needed to analyze the performance of certain company among peer companies.
- The tool is customized in a way that the user can select any company, and assign peers, then select the period to be analyzed by, then click to generate the final output.
- This was supposed to be two-months project that turned into long-term relationship to re-create the whole set of daily and weekly smart-auto-reports feeding in and reading out of the SSVGC report.

Lead VBA Excel Developer

Abbott Laboratories, Illinois

May 2012 to Aug 2014

- Design and add enhances to system in "Upload" functionality, reducing the size of file (and bandwidth) by additional 40%
- Adding tons of fixes and enhances to speed up report response and modifying code to match global standards. Fixes added to more 40+ reports, average performance gained around 83%
- Enhance **Oracle SQL** queries and Views to reduce time used by reports while reading data or applying changes.
- Leading the team into creating and enhancing **TPSS** (Transfer Pricing Sharing System) using Excel/VBA as User interface, **JACL** as back-end server programming and Oracle database. System uses **Oracle IOP** (Integrated Operational Planning), Sandbox technology and **Excel2003/Excel2010 Sandbox** technology
- Adding tons of fixes and features to enhance speed and modifying code to match global standards. Fixes added to more 40+ reports, average performance gained around 83%
- Suggest, design, and start applying the new Upload functionality, reducing bandwidth used by average 95%, this actually fixed the issue causing server to stop responding
- Enhancing the user experience by adding Pagination, a solution to overcome the limitations of 65k rows in **Excel2003**, which was implemented by modifying original query on the fly to produced pages in memory, then show to user based on the page requested.
- Adding other features like Progress bar, Tree structure views, and "Re-sizing" forms to all reports.
- Reduce the number of queries used by **Excel** to read Tables, Views or RowSources, by merging these queries to speeding controls interactivity with user actions
- Suggest, Design and apply "Smart-Drop-Downs" allowing users to select from huge list of products by searching, something similar to AutoFilter in **Excel2010** but more custom

Performance Management Analyst

Electronic Arts, Austin, Texas

May 2011 to Feb 2014

- Manage and enhance **Excel-VBA-SQL** user reports to create readable data using charts and graphs for entire corporation base of clients, employees and executives
- Developing "Della", resource management analysis system, reading from "Clarity" database into **Excel** spreadsheet and generating high management level reports, customized anytime by end user using custom sheet
- Design, create, and manage 21 Auto-Run **Excel-VBA-SQL** reports, running on shared server on weekly, daily, hourly basis to create emails, send reports and status based on customized user configurations.

Excel Report DeveloperCompensation and Organization Solutions, Austin, Texas (*Part-time*)**Sep 2009 to Nov 2011**

- Designing, and developing several systems (like GMT Matrix, ACuSys, and AMIASys) to automate Sales Bonus, Commissions and Compensations and generating user-friendly reports and charts helping in making executive decisions and salary/bonus changes, plus all user manuals and documentations
- Building Salary, Bonus and Compensations intelligent spreadsheets to automate the process of import, process, analyze huge amount of survey vs. company data and generate comparison reports using custom Excel macros and formulas, saving weeks of manual work into few hours with 99.99% accuracy result
- Create step-by-step instructional videos and documentations.

Software Engineer/Technical Translator

Ideal Innovations Inc., Austin, Texas

Oct 2007 to Jan 2012

- Create translation rules and maintain a database of Arabic names in both English and Arabic languages
- Maintained foreign language interfaces for several applications
- Provide timely technical translations for web-based application and courses
- Create translation rules and maintain a database of Arabic names in both **English** and **Arabic** languages
- Developing translation software application in **VB.NET** and **MSSQL** server that is aimed to translate foreign names efficiently and instantly
- Maintained foreign language interfaces for several applications

Software Developer

BearingPoint, IZ, Baghdad, Iraq

May 2007 to Aug 2007

- Develop Nation-wide census database User-interface entry points using .NET and SQL Server, in both English and Arabic languages, submitting them in CDs due to lack of online capabilities back there
- Assigned as Database Project Leader after manager was kidnapped
- Role ended early when manager got kidnapped and I moved to Austin, TX

Technical Translator

Ideal Innovations Inc., IZ, Baghdad, Iraq

Jan 2006 to Aug 2007

- Create, manage and translate technical documentations for IPDMS (Iraqi Police Dept Management System) used across the nation
- Create translation rules and maintain a database of Arabic names in both English and Arabic languages
- Developing Excel/VBA offline tools to facilitate offline data entry from users into SQL Server database saving the project from delays in data entry due to logistics lack downs
- Provide Arabic timely technical translation for course documents and presentations
- Provide translations and grammar corrections in Arabic language
- Record Arabic Audio materials for several types of course
- Role was extended once moved to Austin, TX.

Personal / Side projects

- Created Folder8 (<http://Folder8.com>), Classic ASP API tool to allow users to share folder content in a modern layout (using Bootstrap).
- Converting shortener webtool (<http://X1C.cc>) originally from <http://Yourls.org> into Bootstrap.
- Creating links directory webtool (<http://NMR.One>) originally from <http://www.dmxready.com/product/links-manager> and adding features like colors per category, several views and admin ability to change theme.
- Creating (<http://ArabicNames.us>) to host a database of Arabic names (starting with Iraqi names) and transliteration into English using set of rules, users may add new Arabic name, English transliteration, or a certain name meaning.
- Created <http://Itaf.co>, a personal website to host designs, events and shows for Itaf designs using Bootstrap and Classic ASP.
- Created Excel functions website (<http://XLFxs.com>) using Wordpress and PHP with Bootstrap and JQuery, to host my findings in Excel functions and formulas with screenshots and free sample downloads.
- Created Arabic blog website (<http://Alwah.net>) allowing users to create their own blog pages, using Classic ASP, MSSQL, Bootstrap and JQuery.
- Created my own website (<http://ANmars.com>) using Classic ASP, MSSQL and JS, hosting my all projects, blog posts, questions and answers, poets, library entries and more.

EDUCATION**Bachelor in Computer Science - 2004**

University of Technology, Baghdad, Iraq

Awards/Certifications

- Microsoft Office 2007 Master
- Microsoft Office 2007 Excel Specialist
- Optimization Award – Ideal Innovations – delivering quick temporary solution to fix software bug.

Contact Info

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