Omar S. Meriwani

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## Skills

* **Programming**: 8 years’ experience in full stack development, using C#, Backend Development with Python, and Java. I can work with integration services (RESTful and Microsoft web services).
* **Frontend**: Angular 8, HTML design techniques.
* **NLP:** Working efficiently with different techniques and tasks including: text classification, sentiment analysis, documents clustering, named entity recognition
* **NLP tools:** Spacy, Stanford Core NLP
* **Data Collecting and Preparation:** Data annotation, classification, text pre-processing techniques, web scrapping, Facebook Graph API, Twitter API
* **Machine Learning and Statistics:** Pandas,Keras TensorFlow, Sklearn, Gensim, SAS
* **Data Visualization:** Python Matplotlib, CartoDB, Google Charts, Customized data visualization methods using JavaScript.
* **Databases:** Oracle and SQL Server (more than 4 years’ experience), ElasticSearch (5 months experience).
* **Languages:** Arabic (Native), Sorani Kurdish (Fluent), English (Fluent), Turkish (Advanced), Spanish (Advanced), Farsi (Advanced), Hebrew (Beginner).

## Employment History

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| Aug 2019 | **Frontend Developer**  **Blackball solutions (part-time)**  Designing web interfaces using Angular 8 |
| Nov 2014 – Oct 2018 | **Senior Developer**  **Korek Telecom**  Created multiple databases and integration solutions in addition to the tasks of MS Dynamics solution administration. Some of the solutions created:   * **Korek back-end processing tool**: A multi-threaded tool for processing multiple types of commands into EMA, BSCS, SOI Ericsson servers and receiving commands from Sales, CRM, Sub-dealers management systems. * **Shortcodes Automation System**: MVC web application that provides a common work environment between external organizations and Korek marketing team, and it is also integrated with IBM Tivoli ticketing system. * **Dealer commissions database and backend development**: Developing oracle database procedures and a communicator for sending commissions to Korek telecom dealers. The communicator works under multi-threaded environment to send commissions to the electronic wallets of dealers |
| Oct 2013 – Nov 2014 | **Database Developer**  **Chemonics International**  Created four systems and databases for Iraqi local government:   * ITRS application: ITRS application is a database management system for citizen service desks in the local government offices in Iraq. The system was installed and used by 10 provinces’ local government offices. * **Essential Service Delivery Oversight Database (ESDO)**: A WPF application that includes different tasks such as, archiving letters, documenting information, automatically scan and read survey sheets, design survey sheets, manage different types of information per date * **Survey Papers Reader**: An application that automatically reads survey papers and produce charts and tables for the results. The technique was handmade and not based on an open-source solution. |
| Jul 2013 – Aug 2013 | **IT Consultant**  **Jacobs and Cordoba**  Executing a survey and assessment tasks for the IT Municipality in Basra, Baghdad and Erbil. |
| Oct 2010 – Jul 2013 | **Programming Tutor**  **Fatima Institute**  Teaching programming, web design and other modules to BSc students. |
| May 2011 – Oct 2018 | **Freelance full stack developer**   * **Construction and Building Engineering College Website:** a website that contains all the requirements for educational system management. * **Electronic archiving for all Wasit and Anbar provinces departments**: Windows based archiving solution that work on one PC or server – client environment. It is working in all departments of Wasit governorate in Iraq. * **University Finance Application**: A finance system for two universities in Yemen and Sudan. It contains the fundamental financial tasks such as payables, receivable, general journal and other important functionalities. It is customized for students’ fees as well. |
| Jan 2011 – May 2011 | **Developer**  **Iraqi Company of Fairs, Iraqi Ministry of Trade**  Developing a database and user interfaces for issuing import permissions and IDs.   * Windows forms applications for the process of issuing import licences for the Iraqi ministry of trade. |

## Education

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| Oct 2018 – Sep 2019 | **MSc in Big Data and Text Analytics, University of Essex**  **Dissertation: Fake financial news detection**  Multiple tasks framework for detecting fake financial news including:   * Sentiment analysis using deep learning techniques * News similarity check using deep learning techniques * News sources analysis * Objectivity check * Fact checking   I am working on three papers related to this work  **Projects and Assignments**   * News search engine using Amazon web services, Elastic search, AngularJS and Python. * Sentiment Analytics using word2vec, sentences polarity and TF.IDF * Named entity recognition extraction * Using deep auto encoders to enhance deep neural networks’ performance. * Prototype of predictive system for diabetes   **Arabic Person Names and Relations Extraction (Independent project)**  An independent project to extract person names and relations from a bibliography encyclopaedia. |
| Nov 2011 – Oct 2012 | **Higher Diploma in Multimedia Techniques**  **University of Information Technology and Communication**, Baghdad, Iraq  **Dissertation: Arabic OCR**  Recognising Arabic words from images using template matching. |
| Oct 2006 – Oct 2010 | **BSc in Software Engineering**  University of Technology, Baghdad, Iraq  **Dissertation**: **Industrial Robot Machine**  Creating electronic circuits, cad file reader, machine implementation and programming for a CNC-like industrial robot machine. |