Mohamed Adel Rezk, B.Sc., M.Sc in Management Information Systems.

7th Cherry Park, Newcastle, Galway, Ireland
Tel : **+353899676871** E-mail: **moh.adelrezk@gmail.com**

AREAS OF STRENGTH

- **Semantic web technologies "Web 3.0"**
- **Web services and APIs developing**
- E-commerce and back office operations
- System Analysis and Design
- Technology development and deployment
- Data Warehousing
- Business Process Engineering
- Project Management
- Networking Standards
- Software Engineering Lifecycle
- Object Oriented Architecture
- Java, C#, PHP, RDF, XML, OWL, SPARQL development
- Location Based Services

EDUCATION

- 2017, M.Sc. in Management Information Systems, with specialization in Government Data Analysis from Alexandria University, Egypt and co-supervision from National University of Ireland Galway.
- 2010, B.Sc. in Management Information Systems, with specialization in Semantic Web Applications from Alexandria University, Egypt.

ACADEMIC ACHIEVEMENTS

- B.Sc. degree awarded with "Distinction – Class of Honor " and ranked top of 2010 Class.
- Graduation Project title:
  "Enhancing Internet User's Experience using Semantic Web Technologies Enhanca Application"
  Awarded " Best Bachelor Graduation project in academic year 2009/2010"
  by "CSS –Computer Scientific Society, Egypt"

CURRENT POSITIONS

- Research Assistant at eGov Unit, Insight Centre, National University of Ireland.
- January 2015 – Present, Galway, Ireland.
- Co-Founder at Tedux.com.
- September 2010 – Present, Alexandria, Egypt.

PERSONAL DETAILS

- Date and Place of Birth: 24th December 1988, Alexandria, Egypt.
- Residency: Stamp 4, Ireland.
- Martial status: Married, 2 Daughters.
- Military Obligatory Service: Completed in September 2012, Egypt.

PROJECTS

OGI
Feb'16 – Feb'18
http://www.opengovintelligence.eu/
Open Government LOSD Analysis
and Design.

YDS
December'15– December'17
https://yourdatastories.eu/
Open Government Data
Handling.

RTPA
March'15- March'17
http://routetopa.eu/
Open Government Data
Anomaly Detection.

Social Repository of Ireland
Jan'15 – June'15
http://www.dri.ie/projects/
Social Media Data Analysis.

Newswire 2.0
Sept'15– Sept'16
Social Media Data Analysis.

GOV-DAF
March'15- August'17
https://github.com/mohadelr
ezk/GOV-DAF
Masters Thesis

Flatorenta
Aug'09 – Oct'09
Supervisor.

Enhanca
Jan'10 – Aug'10
Bachelor Thesis.

Fady Ya Asta
Jan'14- Aug'14
Supervisor

TRAINING

Deep learning
Workshop
Insight Centre, DCU,
Dublin.
27-28 April'17

Scientific Conferences organization
Workshop
International Board of Certified
Trainers European Division (IBCT)
15-16 Sep'14

Scientific Research
Workshop
DAAD organization
23 Jun' 13

Java Programming
Advanced
Oracle Certified,
Information Technology
Institute
In Feb'13

.Net Framework
Workshop
I.S.C Department, AU
In Aug'10

Web developing and designing
Training diploma
Information Technology Club, AU
Jul'09 – Sep'09

English Language
Advanced
AMIDEAST
Dec '09 – Jan'09

Java Programming
Intermediate
C.S.C
Apr'09 – May'09

REFRENCES

- **Dr. Adegboyega Ojo, PhD, MSc.**
Senior Research Fellow and the E-Government Group Leader.
E-Government Unit, Insight centre for Data Analytics,
National University of Ireland, Galway, Ireland.
Phone:(353) 91-495336
Email: adegboyega.ojo@insight-centre.org

- **Prof. Dr. Ghada El khayat, PhD, MSc.**
Professor of Information Systems and the Department Head.
Department of Information Systems and Computers,
Faculty of Commerce, Alexandria University, Alexandria, Egypt.
Phone:(02) 01009991121
Email: hadaek@gmail.com

- Others are Available upon request, also check my publications co-authors.

Mohamed Adel Rezk .

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EXPERIENCE SUMMARY

Information Systems and Computers department, Faculty of Commerce, Alexandria University
May 2011 – Present
Teaching and Research Assistant.
Researching in the Semantic Web field, teaching Labs of Information Systems courses and supervising students' graduation projects(i.e. Systems Analysis and Design, OOP, ECommerce, DB Design and Artificial Intelligence).
Alexandria, Egypt

Information and Communication Technology Project (ICTP) - Alexandria University
November 2010 – May 2011
Oracle Application Support Specialist.
Administrating and Maintaining the University M.I.S Applications .
Alexandria, Egypt

Bibliotheca Alexandrina
March 2009 – January 2011
Volunteer at Bibliotheca Alexandrina
Planetarium Science Center [PSC].
Organization of many events in the BA .
Alexandria, Egypt

New Jersey Dunkin' Donuts
August 2009 - October 2009
Trainee .
Sales department .
Great experience of how business is done in the states .
Elizabeth, New Jersey, United States of America

Alexandria petroleum company
June 2008 - July 2008
Trainee .
Human resources department .
Auditing department .
Import and Export departments .
Alexandria, Egypt

British Council Egypt
August 2004 – August 2006
Volunteer In Dreams + Teams Program.
Future Leaders preparing program.
Organization of many events in Egypt and 21 other Countries.
Cairo, Egypt

Egyptian Armed Forces, Western district
July 2011 – September 2012
Information Technology Specialist.
Responsible for all I.T related tasks needed during the military operations .
Squad of the western district command center.
Also awarded the certificate of excellent solider .
Marsa Matrouh, Egypt

Information Systems and Computers department, Faculty of Commerce, Alexandria University
January 2010 – August 2010
Working on my graduation project titled :
"Enhancing Internet User's Experience using Semantic web technologies " .
Alexandria, Egypt

Egyptian Stock Exchange Market
August 2006 – Present
Trader .

Alexandria, Egypt

National Societe General Bank
July 2009 - August 2009
Trainee .
Credit and Loans departments .
Sales department .
Customers service department .
Alexandria, Egypt

Pachin [for paints and chemicals]
In August 2006
Trainee .
Import and Export department .

Alexandria, Egypt

Students' Union
In 1998 - In 2004 – In 2005
President of the union in both Elementary and Preparatory schools.
President of the Social committee in High school .

Alexandria, Egypt

SKILLS And COMPETENCES

Academic awards, honors, fellowships, additional courses:

A. Scientific Research - Workshop - by DAAD organization- June 23rd 2013.

B. Java programming certificate that I acquired by attending an Oracle University training course - In February 2013 - Certificate available-.

C. .NetFramework - Workshop - I.S.C Department, Alexandria University - In August 2010.

D. Photoshop, Dreamweaver and Adobe flash through a web developing training course I carried out –
From July 2009 to September 2009 - Certificate available-.

E. English Language - AMIDEAST - From December 2009 to January2009 - Certificate available-.

F. Java Programming - Intermediate - C.S.C, Egypt - From April 2009 to May 2009 -Certificate available-.

Social skills and competences:

Through my previous years of education I always have been eager to maintain a Good communication skills, willingness to work as a part of a team, eagerness to learn new languages and to contact with other cultures.
And the following positions and their supporting certificates confirm my positive actions.

A. Students' Union
In 1998 -In 2004 –In 2005
President of the union in both Elementary and Preparatory Schools.
President of Social Committee in High School.

B. British Council Egypt
August 2004 –August 2006
Volunteer In Dreams + Teams Program .
Leaders preparing program .
Organization of many events in Egypt and 21 other Countries.

C. Bibliotheca Alexandrina
March 2009 –January2011
Volunteer at Bibliotheca Alexandrina-Planetarium Science Center [PSC].
Organization of many events in the BA.

D. New Jersey Dunkin' Donuts
August 2009 -October 2009
Trainee .
Sales department .
Great experience of how business is done in the states.
Elizabeth, New Jersey, United States of America.

Organizational skills and competences:

I have four major work experiences including my current positions, through them I faced a lot of situations and tasks that made my leadership and my sense of organization to develop and mature.

A. First job is Oracle applications support specialist that included the tasks of Administrating and Maintaining the Alexandria University M.I.S Applications as a part of 11 colleagues we were responsible for every faculty at the university we managed those tasks and shared our information in a great manner that made our directors relaxed all the time.

B. Second job is Information Technology Specialist during my military service at the Egyptian Armed Forces I was responsible for all Information Technology related tasks needed during the military operations at Squad of the western district command center I also awarded the certificate of excellent solider for my achievements in upgrading and updating the Squad's Information Technology Infrastructure and Software and managing a team of 9 soldiers to achieve this task.

C. Third job is Teaching and Research assistant at Information Systems and Computers department, Faculty of Commerce, Alexandria University in which I am Performing research in the Semantic Web field with my Researchers colleagues, teaching laboratories of Information Systems courses and supervising students' graduation projects in addition to helping them to learn how to manage their teams technically and socially,

SKILLS AND COMPETENCES cont.

I also have other managerial tasks such as:

1- **ICT in our lives Annual Scientific conference**
Heading the Media and PR committee, member in other committees and Administrating the conference's submission website.
http://ictinourlives.alexu.edu.eg/

2- **Quality Assurance Unite**
Preparing Surveys to Assure the deferent aspects of educational quality in the faculty of commerce.

3- **Examination Control**
Controlling and managing the examination processes for faculty students.

D. Fourth and last one is Co-Founder at Tedux.com, this job includes an execution of all my gained knowledge and experiences through my education, research, personal interests, and previous work experience specially entrepreneurship and leadership,
we at Tedux.com manage to maintain a dynamic work environment with innovation all over the place, to demonstrate this I will list what we do at Tedux.com:

▪ **In-house Research Lab**
We are so curious and always keep our hands dirty by researching, discovering and working to make new useful things or to add and/or anneal to something that already exists. Our areas of interests include:
➢**Semantic Web (e.g. Ontology Engineering, Linked Open Data, SPARQL, HTML5, Javascript, and Enhancing the Arabic Content).**
➢**B-SEO (e.g. Rdfa, Schema.org, Microformats, Interactive Solutions, Touch Screens, and Motion Detection).**
➢**Linux**.

▪**Web Development**
We provide cost-effective solutions using the latest standards in web programming including
(**HTML5 based Web Applications - Facebook Pages and Applications – Open Source based Solutions (e.g. Magento, Wordpress, Drupal, Moodle and many other Open Source solutions).**

•**Mobile Development**
Custom entertaining mobile apps development in all platforms including

(**HTML5 based Mobile Web development - Native Development - Android Development - BlackBerry Development - iOS Development - Windows Mobile Development**).

Technical skills and competences:

A. Writing information systems laboratory tutorial sheets specially for both Systems Analysis and Design course (e.g. CASE tools tutorials for OpenModelSphere and Draw.io), and Artificial Intelligence and Decisions Support Systems course (e.g. genetic learning, fuzzy logic and Heuristics) as a part of my career as a teaching and research assistant at Alexandria University.

B. Very good knowledge and experience in using Web Services specially those related to Semantic web as a kind of knowledge extraction using web crawled data (for instance Alchemy and WordNet) and my Bachelor graduation project titled: "Enhancing internet user experience using semantic web technology".
   Awarded" Best Graduation project" by CSS – Computer Scientific Society, Egypt; is a very good evidence for my knowledge.

C. Wide hands on experience in networks installation gained through my military service period that I spent it as Information Technology Specialist responsible for all I.T related tasks needed during the military operations. At Squad of the western district command center. Also awarded the certificate of excellent solider that proves my dedication and devotion to my work.

D. Versed in maintaining Oracle database servers and in managing and administrating the applications built over it due to my work experience as an Oracle Application Support Specialist for Alexandria University Applications.

E. Wide experience in Stock market as I worked as a stock broker, and enrolled in trading training program at my college – I attached the certificate- and I also own stocks and make trades now and then till now based on my previous experiences I accumulated.

F. Good experience of the quality and maturity of businesses running in the U.S.A. as I traveled there and trained for short period in Dunkin Donuts. There I learned the different methods and tools that big chain businesses use in order to maintain identical quality of the service at all branches.

G. Versed in most of the latest banking processes and aiding software, as I was trained in National Socitee General Bank (NSGB), Egypt.

H. Finally, I have a good knowledge of importing and exporting processes that I gained while training in both Pachine for paints and chemicals, and Alexandria for petroleum companies both located in Egypt but operating overseas.

Computer skills and competences:

A. APIs, Web Services, SMS gateway, CSS, JS, Jquery, MySQL, Cpanel and open office through project Flatorenta I managed with my undergraduate colleges in summer vacation.

B. CASE tools(OpenModel Sphere, draw.io and MYSQL workbench), XML, RDF, SPARQL, PHP, Jason, APIs, Semantic web frame works, Paython, Ruby-Go, Csandra, UML, DFD and Microsoft office through my bachelor graduation project and my current career as Research and Teaching Assistant.

C. Photoshop, Dreamweaver and Adobe flash through a web developing training course I carried out – Certificate attached-.

D. Java programming certificate that I acquired by attending an Oracle University training course - Certificate attached-.

Language Skills and Competences:

My current career as a teaching and research assistant is carried out in English language.
In addition, the master degree I am enrolled in is also taught in English.
Furthermore, my B.Sc is mostly taught in English.
Moreover, I have GRE and TOEFL ITP scores.

Subjects studied for my degrees that are relevant to this application:

A. B.Sc subjects

Programming Java and C# (Introduction and Advanced), Database Management and Data warehouse(Introduction and Advanced), Artificial Intelligence, Decision Support Systems, Quantitative Analysis, Systems Analysis and Design, Networks, Graduation Project(Semantic Web), E-Commerce.

B. M.Sc. subjects

Applied Statistics, Data Structure using Java, Software Engineering, Decision Support Systems and Intelligent Systems, Cloud Computing, Advanced Database design, and Advanced topics in Information Systems (big data related topics).

Titles of projects completed
Github repo.
 https://github.com/mohadelrezk

Academic Achievements
MSc., and B.Sc. in Management Information Systems
Overall marks
("4781" out of "5700")
Ranking
(Ranked 1st out of 120 students majored in Management Information Systems, and ranked 15th out of 3000 students in all majors of faculty of commerce, Alexandria University, Egypt Class 2010).

Finally, I played various sports as I am a member of the sports club next to my home, this made it uncomplicated to enroll in amateur and professional teams of the following sports: Basketball, Football, volleyball, Handball, Navy Scout and Cycling If you recruited me I will let you win some.

Publications

Published:

- "A Government Decision Analytics Framework Based on Citizen Opinion"

In: 9th International Conference on Theory and Practice of Electronic Government 2016 (ICEGOV2016).
Authors: Mohamed Adel Rezk, Adegboyega Ojo, Ghada A. El khayat, and Safaa Hussein.
Link: https://dl.acm.org/citation.cfm?id=2910093.
Venue: Montevideo, Uruguay — March 01 - 03, 2016.
Organizers: United Nations University Operating Unit on Policy-Driven Electronic Governance (UNU-EGOV).

- "A Proposed Government Decision Support System Based on Citizens Interactions over Social Networks"

In: 5th International Conference on Information and Communication Technology in our lives 2016 (ICT2016).
Authors: Mohamed Adel Rezk, Adegboyega Ojo, Ghada A. El khayat, and Safaa Hussein.
Venue: FacultyofCommerce,AlexandriaUniversity Alexandria, Egypt December 19 th -21st , 2015.
Organizers: Information Systems and Computers Department, Faculty of Commerce, Alexandria University.

- " Towards A Vocabulary for Open Public Policy" [poster]

In: 10th International Conference on Theory and Practice of Electronic Government 2017 (ICEGOV2017).
Authors: Mohamed Adel Rezk, Mahmoud H. Aliyu, Hatem Bensta and Adegboyega Ojo.
Venue: India — March 07 - 09, 2017.
Organizers: United Nations University Operating Unit on Policy-Driven Electronic Governance (UNU-EGOV).

- "A Government Decision Analytics Framework Based on Citizen Opinion: Elaboration of the Knowledge Base Component"

In: 6th International Conference on Information and Communication Technology in our lives 2017 (ICT2017).
Authors: Mohamed Adel Rezk, Adegboyega Ojo, Ghada A. El khayat, and Safaa Hussein.
Venue: Faculty of Commerce, Alexandria University Alexandria, Egypt December 17th 19 th , 2016.
Organizers: Information Systems and Computers Department, Faculty of Commerce, Alexandria University.

In press:

- "Standardising Public Policy Documentation to Foster Collaboration Across Governmental Agencies"

In: 18th IFIP Working Conference in virtual Enerprise (PRO-VE 2017).
Authors: Mohamed Adel Rezk, Mahmoud H. Aliyu, Hatem Bensta and Adegboyega Ojo.
Venue: Venizia, Italy 18 th 20th 2017.
Organizers: International Federation for Information Processing

- "MiningGovernmentalCollaborationthrough Semantic Profiling of Open Data Catalogues and Publishers"

In: 18th IFIP Working Conference in virtual Enerprise (PRO-VE 2017).
Authors: Mohamed Adel Rezk, Adegboyega Ojo, Islam Ahmed hassan.
Venue: Venizia, Italy 18 th 20th 2017.
Organizers: International Federation for Information Processing.

Project Deliverables :

- "The Open Gov Intelligence project"
D3.1, D3.2. Co- Author.

- "NewsWire2.0"
Co- Author.

- "Social Repository of Ireland"
D-5, D-7. Co- Author.