**Mohamed Farouk Mohamed**

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**Canadian Citizen**

Australian Citizen |UAE Work Rights (Without Sponsorship)

# Objective:

A challenging opportunity in a growing environment where I have the opportunity to use my diverse set of skills and experiences to make things smarter, better and faster.

# Professional Skills:

1. Backend: .NET(1->8), Framework(1.1-> 4.7), C#(1->12), EF, & VB.NET.

2. Frontend: JavaScript, TypeScript, ASP.NET MVC, Angular (4->13) & NodeJs.

3. Cloud Technologies: Azure(5 years), AWS(5 years) inc. Azure & Lambda Functions.

4. Application Servers: Redis, RabbitMQ, Azure Apps/Storage, MSMQ, PowerBI & S3.

5. CI/CD DevOps: AzureDevOps, TFS, Jenkins, TeamCity, Docker and Octopus.

6. Databases SQL Server 2000-2016, Oracle 11g, TOAD (Oracle), Postgres & MySQL

7. NoSql Databases: Azure CosmosDb & AWS DynamoDb.

8. Testing: Backend (xUnit, Moq), Frontend (Karma, Jasmine), Automation (Selenium).

9. Source Control: GIT (BitBucket, Github and AzureDevOps), TFS & SVN Subversion.

10. Software Management Tools: AzureDevOps, TFS, JIRA, MS Project & MS Visio

11. Markup Languages: HTML4/5, XML, DHTML, CSS2/3, Materialize & Bootstrap 3-5.

12. Development Tools: Visual Studio .NET 2003-2022, Postman & Eclipse.

13. Classic Scripting: OO JavaScript/1.8, JQuery, AJAX, PHP & ASP.

14. Other Technologies: Fair knowledge of REACT, SharePoint, Sitefinity, MOODLE, XAML, WPF & GraphQL.

# Employment History:

## May 2020 - Dec 2023 (Jane ceased operation on Dec 2023)

**Backend Engineering Manager**

***Jane.com Marketplace - Remote (Headquarters: Lehi, Utah, USA) (***[*www.jane.com*](http://www.jane.com)***)***

I started as Senior Backend Developer (May 2020)

then got promoted to Backend Engineering Manager (Dec 2020)

then Senior Engineering Manager (May 2022)**.**

|  |  |  |
| --- | --- | --- |
| ***Tech responsibilities:***   1. Promotion of SOLID 2. Online payments 3. Fraud detection 4. Feature flags (experimentations) 5. Event driven architecture 6. Microservices architecture 7. Distributed caching 8. Third parties integrations 9. Migration to .NET 6 10. Others | ***Tech stack:***   1. C# 2. Mixture of .NET MVC to .NET 6 WebAPI projects 3. SQL Server 2016 4. Postgres 5. DynamoDb 6. RabbitMQ 7. Redis 8. API Gateway 9. Lambda Functions 10. S3 11. Github 12. Jira 13. Confluence 14. AWS   12. Jenkins and TeamCity | ***People responsibilities:***   1. Recruiting BE engineers 2. Onboarding of new BE engineers 3. Conducting 1 on 1s with BE engineers 4. Planning resources for different teams   5. Support engineers in different ways to help them doing their job in the best way possible. |

## March 2018 – February 2020

**Scrum Master/Senior Developer (Contract)**

***Cancer Institute NSW (Australian Government) - CINSW– Sydney, NSW, AUS (****www.cancer.nsw.gov.au****)***

***Main Responsibilities (As Scrum Master):***

1. Backlog items maintenance (Revise, update priories, add new if needed).

2. Organize and manage Scrum meetings (Sprint planning, stand­ups, Sprint review, Sprint retrospective).

3. Scrum Reporting and documenting project using HPM and AzureDevOps Wiki.

4. Backlog items points estimations, Tasks breakdown and forecasting.

***Main Responsibilities (As Senior Developer):***

1. Developing a state wide project consists of 2 Web applications, 1 WebAPI and 2 Windows Services. All developed in ASP.NET Core 2.

*- Main Technologies used:* Single Page Applications (SPA) | Angular CLI 6.2 | TypeScript | SCSS | ASP.NET Core 2 | Moq | SQL Server.

2. Frontend and Backend development. TDD using Moq and Karma.

3. Database design and development.

## January 2018 ­ March 2018

**DevOps Engineer (Contract)**

***City of Sydney (CoS) - Sydney, NSW, AUS (****www.cityofsydney.nsw.gov.au****)***

***Main Responsibilities:***

1. Created a complete CI/CD cycle for major web applications using on premise Microsoft TFS 2018. Also managed backups and disaster recovery of failed deployments. Outcomes:

* Customized build definitions
* All components backup
* Database deployment automation
* SSIS deployment automation
* Web applications and Windows Services deployment automation

2. Planned, designed and created development and hot­fix environments in SIT, UAT, Pre­Production for major Web Applications.

3. TFS upgrade from 2011/2103 to 2017 and consolidate all source control systems into one. Also added un­tracked projects to source control.

## March 2017 - June 2017

**Senior Application Developer**

***TRADER Corporation – Vancouver, BC, CAN (****go.trader.ca****)***

***Main Responsibilities:***

Developing of the new version of trader.ca web application

*- Main Technologies used:* (.NET 4.7, C#, SQL Server, WebAPI, OWIN, JSON)

## April 2016 - January 2018

**Senior Application Developer**

***The Royal Australasian College of Physicians - RACP – Sydney, NSW, AUS* (**[*www.racp.edu.au*](https://www.racp.edu.au/)**)**

***Main Responsibilities:***

1. Developing and Maintaining RACP systems (Mainly Integration Services Application communicating between college different systems).

*- Main Technologies used:* .NET 4, C#, SQL Server, Web Services and WebAPI.

2. Participated in developing, SCRUM managing and maintaining MyRACP frontend and backend applications

*- Main Technologies used:*

Frontend development including responsive design using: JQuery, Bootstrap, MaterlizeCSS, various JS Frameworks. Backend was developed using .NET 4.5, C#, SQL Server 2012, WebAPI.

3. Source Code Installation/Migration from legacy systems to unified GIT server (BitBucket).

4. Generating Reports (SQL Server and Crystal Reports) and link them to main ERP system (Aptify).

5. Participate in AGILE (SCRUM) Project Planning using JIRA

6. Generating documentation for projects I am involved in using tech documentation tools and Confluence.

7. Developing and administrating Content Management System (Telerik Sitefinity).

## December 2014 - April 2016

**Senior Software Developer**

***EmployeeConnect Software – Sydney, NSW, AUS* (**[*www.employeeconnect.com*](http://www.employeeconnect.com/)**)**

***Main Responsibilities:***

1. Developing and maintaining core software product (EC6).
2. Recreated the front end of the generated web applications by EC6 engine adapting

2.1. Responsive design using CSS3, JQuery, Bootstrap and other JS and CSS3 plugins.

2.2 UI Theme customization

2.3 Adapting AJAX calls instead of page postbacks.

2.4 Applied animations whenever possible

1. Planning and managing next release of the core product (EC7)

------ Relocation/Break: Left UAE on September 2014 and landed in Australia on November 2014 ------

## April 2009 – August 2014

**Software Development Manager/ Senior Software Engineer.**

***ALHOSN University, Abu Dhabi, UAE*** *(www.alhosnu.ae).*

***Main Responsibilities:***

1. Planning and managing IT projects.
2. Software and hardware procurement.
3. Leading analyzing, developing, deploying and administrating in-house developed projects.

***Remarkable Projects:***

1. **ALHOSN University Official Website, 4 Online Services Portals and Full Automation:**

*- About the project:* This is a large system written in .NET to automate the university's activities, provide online services through 4 different portals (Students, Instructors, Administration and Sponsors) and a corporate website integrated with a full featured Content Management System. The whole system was developed in-house.

*- Main Technologies used:* Microsoft .NET (C# and ASP.NET 4.0), IIS, Windows Server, SQL Server 2012 and Oracle 10g database.

*- Project Duration:* 3 years and 6 Months.

*- Portals Features:* http://goo.gl/6umpnn

*- Role in the project:*

- Analysis, design and development.

- Deployment, administrating and troubleshooting.

- Technical project management.

1. **MOODLE Course Management System:**

*- About the project:* Moodle Installation on openSuse 11.0, Moodle UI Customizations, Integration with TurnItIn and Integration with McGraw-Hill application.

## June 2007 – April 2009

**Senior Systems Developer and Analyst.**

***Ministry of Presidential Affairs, Abu Dhabi, UAE*** *(www.mopa.ae).*

***Main Responsibilities:***

1. Analyzing and developing projects (Mainly Web-based) for the ministry.
2. Deploying and administrating Web based projects.
3. Support and troubleshooting Web based projects.
4. Managing and training junior and new senior developers.

***Remarkable Projects:***

1. **MOPA Content Management Server (Codenamed: CMSConcept):**

*- About the project:* The main target of MOPA CMSConcept is to provide an easy and smart way to create static and dynamic websites with maximum flexibility and minimum time and effort:

1. (For Basic Users): Provides a way for end user (NON-Developer) to create multiple web sites, manage their content (Static and Dynamic contents).

2. (For Advanced Users): Provides an easy way to integrate with and extend the CMS application without complications of re-development (Run-time Integration and Extension).

*- Main Technologies used:* C#, ASP.NET, IIS, Windows Server, SQL Server and Visual Studio .NET.

*- Project Duration:* 6 months.

*- Features List:* http://goo.gl/uKzhu

*- Role in the project:*

- Idea, Analysis, application design and development.

- Project planning and management.

- Participated in the UI design.

1. **HH Sheikh Khalifa Bin Zayed Al.Nahyan (UAE President) Official Website:**

*- About the project:* This is the official website for HH Sheikh Khalifa Bin Zayed Al.Nahyan containing his news, photo galleries, search engine and other information about HH, Abu Dhabi and Emirates.

*- Main Technologies used:* Full implementation of the MOPA Content Management Server to manage site structure and information.

*- Project Duration:* 6 months.

*- Website:* <http://www.uaepresident.ae/>

*- Role in the project:*

- Idea, Analysis, application design and development.

- Project planning and management.

1. **Ministry of Presidential Affairs in the UAE Intranet System:**

*- Main Technologies used:* SharePoint Server 2003, C#, ASP.NET, IIS, SQL Server, Visual Studio .NET, Oracle 10g, Ultimus Workflow and Saperion Archiving System.

*- Project Duration:* Ongoing project.

*- Role in the project:*

- Administrating and troubleshooting SharePoint Server.

- Migration from SharePoint 2003 to 2007.

- Analysis and development for customized web applications for custom E-Services.

- Responsible for the integration between SharePoint and Ultimus Workflow.

1. **Ministry of Presidential Affairs in the UAE Official Website (MOPA):**

*- Main Technologies used:* MS Content Management Server, C#, ASP.NET, IIS, SQL Server, Visual Studio .NET, Oracle 10g.

*- Project Duration:* 4 months.

*- Website:* <http://www.mopa.ae>

*- Role in the project:*

- Analysis and development for the E-Services provided.

- Administrating and troubleshooting Microsoft Content Management Server.

## December 2002 - June 2007

**Technical Project Manager.**

***Sakhr Software*** *(www.sakhr.com).*

* Dec. 2002 to Jun 2003: Junior Software Developer (Cairo Branch).
* Jun. 2003 to Jan 2005: Senior Software Developer (Abu Dhabi Branch).
* Jan. 2005 to Dec 2006: Technical team leader (Abu Dhabi Branch).
* Dec. 2006 to Jun 2007: Technical project manager (Abu Dhabi Branch).

***Main Responsibilities:***

* + - 1. Analyzing and developing projects held by the company.
      2. Planning and managing some of the projects.
      3. Team leading.
      4. Deploying and administrating Web based projects.

***Remarkable Projects:***

1. **Abu Dhabi Educational Zone Web Based Full Automation System (ADEZ):**

*- About the project:* This is a huge .NET based system that handles all the Educational Zone activities and interactivity between Educational Process Parties like Students, Parents, Teachers, School management and Zone management.

The system contains about 2.5 million lines of code and contains a large number of sub-projects like a full featured Web Portal, School Management System, Office Automation System, Learning Management System, Archiving System…etc.

*- Main Technologies used:* C#, ASP.NET, IIS, Windows Server, Microsoft SQL Server, Microsoft Visual Studio .NET, MailSite Mail Server, Ultimus Workflow, Centra LMS, Arabdox Archiving system.

*- Project Duration:* 3 years.

*- Role in the project:*

I started as a junior developer, then a senior developer, then a team leader and finally a technical project manager. Have participated in the roles below:

- Analysis and development.

- Technical project management and reporting to senior management.

- Deployment and troubleshooting the application on 25 servers.

1. **Oman Ministry of Education Web Based Full Automation System (MOE):**

*- Website:* <http://www.moe.gov.om>

1. **Qatar Environmental Council Web Based System (SCENR):**

*- Main Technologies used:* C#, ASP.NET, IIS, Windows Server and Oracle 10g database.

*- Role in the project:*

- Deployment, administrating and troubleshooting.

- Technical project management.

**April 2002 - December 2002** **Web/Application developer.** ***EKnowledge Company (***[*www.go-eknowledge.com*](http://www.go-eknowledge.com)***)****.*

**January 2002 - April 2002** **Web specialist.** ***PharoWeb Egypt for complete IT solutions****.*

**January 2001 - January 2002** **IT Trainee.** ***Information Technology Institute (****www.iti.gov.eg****)***

**August 2000 - January 2001** Civil engineer experience.

# Operating Systems:

**A. WINDOWS:**

1. Windows 2000-10 administration.

2. Windows 2000-2012 Server administration.

**B. Linux (SUSE):**

1. openSUSE 11 and Ubuntu administration.

2. Installation and development of LAMP (Linux Apache MySQL and PHP).

# Web Servers Administration:

1. Microsoft IIS (Latest).

2. Apache Web Server.

# Other Skills:

• Software Architecture (Multi-layered Apps, SOA) Architecture

• Project Planning, Management (AGILE, SCRUM) Management

• Code Architecture (SOLID, OO, Dependency Injection) Architecture

• CI/CD and DevOps Continuous Delivery

• Database Analysis & Design (ER Data Modeling) Database

• Committed to tight deadlines/high quality standards Other Skills

• High trouble shooting skills Other Skills

• Technical writing, Wiki creation (Markdown language) Other Skills

• UI/UX design skills

# Education:

**Jan 2001 - Dec 2001** **Post Graduate Diploma in Systems Development.** *Information Technology Institute (ITI),Giza ,Egypt. Part of Information and Decision Support Center (IDSC), Egyptian Cabinet ,Garden City, Cairo, Egypt.*

Graduation Project: *VoiceXML Gateway (Written in C++).*

Graduation Grade: *Excellent.*

**1995 - 2000** **Bachelor of Science in Engineering** *Ain Shams University, Faculty of Engineering, Cairo , Egypt.*

Major:*Civil Engineering***.**

Graduation Project:*Sanitary Engineering project****.***

# Remarkable Personal Projects:

1. Creation of a Source Forge project called "***OpenImageManager***" located at

[*http://openimgmanager.sourceforge.net*](http://openimgmanager.sourceforge.net) *.*It is an image manager written in C#, the application offers basic image viewing functionalities like folder explorer bar, thumbnails views, image resizing as well as plus HTML Album generating tool.

2. Published IEEE Paper about “***Developing an Initial Open-Source Platform for the Higher Education Sector***”. This is a project about providing universities with a full featured freeware and open source solution for their main activities. More about the project is located at: [*http://www.computer.org/csdl/trans/lt/2009/03/tlt2009030239.html*](http://www.computer.org/csdl/trans/lt/2009/03/tlt2009030239.html)

3. Implementation of several Web-based Automation Systems like:

- Muamalat LLC Corporate Portal located at: *http://muamalatuae.com/*

- An advertising portal (***UAEE***) LAMP solution (PHP, mySQL Server, Apache and Linux).

# Awards/ Appreciation Certificates:

**February 2010** **"Most Valuable Contribution by an Employee"** **Award**. *ALHOSN University, Abu Dhabi, UAE.*

**August 2009** **Appreciation Certificate for participation and contribution in the "Open Source Day".** *Zayed University, Abu Dhabi, UAE.*

**February 2009** **Appreciation Certificate for "Ehtimam Website" creation.** *Ministry of Presidential Affairs, Abu Dhabi, UAE.*

# Training Courses:

**May 2008** **Project Management Professionals (PMP)**. *ITI, Cairo, Egypt.*

**Mar 2008** **Ultimus BMP (Full track).** *Ultimus, Dubai, UAE.*

**Dec 2007** **SharePoint 2007 (Full track).** *Exceed, Abu Dhabi, UAE.*

# Language Skills:

1. Arabic Native

2. Fluent in both written and spoken English (IELTS Score: 8)

3. Fair in French

# Personal Data:

**Year of Birth:**  1977

**Driving License:** Yes (Own a Car)

**Ready to Relocate:**  Yes

Last updated: November 25th 2019