

SAMAN A. BARAKAT



PhD Student (Seville University)

CONTACT

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SKILLS

Programming

Java ●●●●●
C# ●●●●●

Database

SQL Server ●●●●●
MySQL ●●●●●
PostgreSQL ●●●●●

Web Frameworks:

Spring Boot ●●●●●
ASP.NET Core ●●●●●

Web:

HTML ●●●●●
CSS ●●●●●
Javascript ●●●●●
TypeScript ●●●●●
JQuery ●●●●●
Angular ●●●●●

Other tools

JUnit ●●●●●
OAS ●●●●●
API Generator ●●●●●
Git ●●●●●
Maven ●●●●●

LANGUAGES

Kurdish ●●●●●
Arabic ●●●●●
English ●●●●●

WORK HISTORY

📅 04/2021 - Present (PhD student)
📍 Seville University, Spain

Duties and Achievements:

- Developing a Spring Cloud Gateway for IDL validation.
- Developing an extension for the Open API Generator tool.
- Developing new analysis operations in the IDLAnalyzer tool.
- Update documentation of the existing IDL Projects.
- Developing an online IDL editor.
- Developing a REST API with an interactive documentation.

📅 12/2015 - 04/2021 Teacher and Researcher
📍 University of Duhok, Iraq

Duties and Achievements:

- Implementing two well-known algorithms of String matching to compare them practically.
- Performance evaluation of list iteration methods in Java and publish a paper.
- Investigate microservices performance practically and publish a paper.
- Teaching : OOP, Java, Algorithms and Complexity.
- Supervising undergraduate projects.

📅 10/2012 - 12/2015 Teacher and Researcher
📍 University of Zakho, Iraq

Duties and Achievements:

- Design a RESTful non-repudiation services and publish a paper.
- Teaching : OOP
- Developing an information management system for a private company.

📅 10/2008 - 9/2011 Developer
📍 Freelancer

Duties and Achievements:

- Developing a database system for a local store using Access Database.
- Developing information system using ASP.NET MVC

ONLINE COURSES

📅 2021 - 2022 Reactive Web Developer
📍 OutSystems.com - Training courses

📅 2020 - 2021 Python 3 Programming
📍 University of Michigan, USA


- Python Basics.
- Python Functions, Files, and Dictionaries.
- Data Collection and Processing with Python
- Python Classes and Inheritance.
- Python Project: pillow, tesseract, and opencv

EDUCATION

📅 09/2011 - 08/2012 M.Sc. in Advanced Computer Science
📍 Newcastle University, UK


📅 10/2005 - 07/2008 B.Sc. in Computer Science
📍 University of Duhok, Iraq


CONFERENCES AND WORKSHOPS

 29/03/2022

 Seville University, Spain

1st SCORE Workshop on Software Testing


 24/04/2019

 University of Duhok, Iraq

5th Kurdistan International Conference
on Science and Technology

PUBLICATIONS

Automated Code Generation for Inter-parameter Dependencies in REST APIs

 **Saman A. Barakat**, Enrique Barba Roque, Ana Belén Sánchez and Sergio Segura

 2022  JICIS2022

 [ADS](#)


Survey on serverless computing



 Hassan B. Hassan, **Saman A. Barakat**, and Qusay I. Sarhan

 2021  Journal of Cloud Computing Advances, Systems and Applications Vol. 10, Issue 1


 [ADS](#)

Empirical Performance Evaluation of Knuth Morris Pratt And Boyer Moore String Matching Algorithms

 Sarhan S. Dawod, and **Saman A. Barakat**

 2018  Journal of Duhok University Vol. 23, Issue 1


Performance Evaluation of List Iteration Methods in Java: An Empirical Study

 **Saman A. Barakat**, and Qusay I. Sarhan

 2018  JOURNAL OF INNOVACIONIA Vol. 6, Issue 1, pages.1-6

Monitoring and Analysis of Microservices Performance

 **Saman A. Barakat**

 2017  JOURNAL OF COMPUTER SCIENCE AND CONTROL SYSTEMS Vol. 10, Issue 1, pages.19-22

Design and Implementation of RESTful Non-repudiation Services

 **Saman A. Barakat**

 2013  Journal of Information and Computing Science Vol. 8, Issue 3, pages.183-208

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