Mustafa Alhilo

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Arlington, TX ,76010 | U.S. Permanent Resident | GPA:3.556/4

EDUCATION

The University of Texas at Arlington, Arlington, TX (May 2020)
Master of Science in Computer Science and Engineering

Al-Mansour University Collage at Baghdad, IRAQ (Jan 2012)
Bachelor of Science in Computer Communication Engineering

TECHNICAL SKILLS

Agile, Python, JavaScript, CSS, HTML, PHP, MySQL, Microsoft SQL server database, AWS, IBM Cloud, Microsoft Azure, Laravel framework, Ionic framework, JUnit, JaCoCo

PROJECTS

Advance Software Engineering – Scrum and Agile Methodology (Spring 2020)
- A scrum master in a team implemented Agile development process to develop android application
- Pair programing on the second half of the project, used Ionic framework and firebase as database
- Daily scrum meetings, using Project Backlog to prioritized features list and sprints meeting with our client
- implemented sprint review and sprint retrospective meetings

Advance DB - Cloud computing (Spring 2020)
Microsoft – Azure- Hight performance computing:
- User chart to initiate a request using Pygal/ PyChart on Microsoft Azure Compute instance
- On Titanic database implemented k Means clustering display and generated clusters as tables
AWS:
- EC2 with simple web service interface and retrieving data from RDS after running different DB quires and testing its performance with JMeter tool
- Using Elastic Beanstalk, scaling up and down, Load Balancers, and gathered performance metrics
IBM Cloud Bluemix:
- Developed local web interface using Python, Flask framework and MySQL with relational database. The application pushed to IBM cloud to allow uses and retrieve tend analyses geographical data
- Redis cash and Mecache have been used to improve the efficiency of database

Web Data Management – Web Portfolio- Web service (Fall 2019)
- Developed a web application where potential employers can see a person's portfolio and projects. Used HTML, JavaScript and PHP. To create the relational database, start Apache web server and MySQL database
- WordPress management system has been used to create blogs which has user roll and admin roll
- Rebuild the same web application by using Laravel web framework

Distributed System – Distributed File Service with Consistency (Fall 2019)
- Implemented a distributed file service, consisted of a server process and three clients. Each client processed connects to the server over a socket. The server was able to handle all three clients concurrently
- Implemented Push/Pull/Invalidation Notices, Further experience with multithread

EXPERIENCE

USA Shuttle Service (Mar 2015-Dec 2017)
- Managed teams of 5 drivers, ensure compliance to workplace polices according to safety objective
- Prepared necessary paperwork and administered all invoices on spreadsheet

Rboo Co. (General Trading & Construction) – Iraq-Baghdad (Feb 2013-Nov 2014)
- Maintained a local database with teams of engineers (hardware support and maintenance) during 8 month.
- Developed 2 projects web applications, technologies used (MySQL database and PHP for back-end, JavaScript, HTML, and CSS for the front-end part)

KBR Kellogg Brown & Root – US Embassy in Baghdad - Iraq (Jan 2012-Jan 2013)
- Solved problems concerning installation of hardware and software. Maintained and repaired technological equipment devices such as, laptops, printers
- Running cables and network installations. Running diagnostic test to resolve issues and installing updates to existing software of routers

ORGANIZATIONS

- Member of NSBE(National Society of Black Engineers) (Dec 2019)
- Source of Compassion (Nonprofit Organization) (Jan 2018)
- Member of Iraqi Engineering Union (IEU) (Jan 2012)