Mustafa Alhilo

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Arlington, TX ,76010 | Permanent Resident | GPA: 3.58

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

Python (intermediate), JavaScript (intermediate), CSS, HTML, Agile, Node.js, React.js, APIs, MongoDB, MySQL, Microsoft SQL server database, AWS, IBM Cloud, Microsoft Azure, jQuery, Laravel framework, Flask framework, JUnit, JaCoCo

PROJECTS

Advance Software Engineering – Serve Me System (Jan 2020)
- A scrum master in a team implemented Agile development process to develop android application
- Pair programming on the second half of the project, used Ionic framework and firebase as database
- Daily meetings with clients, used project backlog to prioritize features list and sprints

Advance DB - Cloud computing (Feb 2020)
 Microsoft – Azure:
- Used Azure App Service for hosting web application. Developed in Python Flask and Azure SQL Database
- UI Visualized and displayed the user request in the form of chats using Pygal/PyChart
- Implemented Azure Load Balancer to distribute inbound flows that arrive at the load balancer's front-end to back-end pool instances. A Virtual machine scale sets implemented to run more instances
 AWS:
- AWS Elastic Beanstalk service for deploying and scaling Web applications. Deployed using Python Flask in Amazon EC2 instance
- Uploaded data in RDS, performed CRUD operations, run simple DB queries, and compute the time statistics
- Handled the deployment, from capacity provisioning, load balancing, auto-scaling to applications health monitoring. Handled traffic by using traffic modelling systems like Apache Jmeter for testing

Web Data Management – Web Portfolio (Sep 2019)
- Developed a web application where potential employers can see a person's portfolio and projects. Used HTML, JavaScript, and PHP. To create the database, started 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 (Sep 2019)
- Implemented a distributed file service, consisted of a server process and three clients. Every client connects to the server over a socket. The server handled all three clients concurrently
- Implemented Push/Pull/Invalidation Notices

EXPERIENCE

Rboo Co. (General Trading & Construction) – Iraq-Baghdad (Feb 2013 - Nov 2014)
- Maintained a local database with team of engineers (hardware support and maintenance) for 8 months
- Developed web application-based projects using MySQL database and PHP for back-end, JavaScript, HTML, and CSS for the front-end

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