***CV***

***SYED MAQSOOOD ALI***

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**SKILLS PROFILE**

**Technical Engineering and Computing Skills**

* Knowledge and experience of Agile development methodologies, Scrum, Extreme Programming (XP)
* Knowledge and experience of working as Front-End developer using XML, JSON, Node JS, PHP, and JavaScript
* Knowledge and experience of Back-End technologies such as XML/XPATH/XSLT and cloud development
* Strong understanding of NPM, JUnit/UI testing and modular application development skills building
* Excellent analytical, problem solving and communication skills both written and verbal
* Strong leadership and technical management skills
* Excellent written and verbal communication skills with the ability to communicate clearly at all levels within the project team
* Knowledge and experience of relational DBs and NoSQL databases (MongoDB, Cassandra)
* Knowledge and experience of developing interactive web applications utilizing JavaScript, Bootstrap HTML5, CSS, JSON, React JS, Node.js and integrating Restful API’s (experience of both Back-End and Front-End technologies)

**EDUCATION**

**2019 – 2021 MSc in Information Technology** Birkbeck College, University of London

**Key Modules:**

* Introduction to Software development
* Fundamental of computing
* Strategic Management
* Information Systems
* Applied Machine learning
* Internet Web Technologies
* Applied Software Engineering

**Major Projects:**

* Using Python, and CSV file at backend for checking diamond quality by using Tkinter package
* Machine learning Software to detect cyber threats and protects a computer system (e.g., IoT, AV and UAV) from various cyber-attacks by using Autoencoder
* Used jQuery to retrieve information from JSON data regarding Oscar nominations and output to the DOM document.
* Developed a Web application using Node.js for online Makeup Courses

**EMPLOYMENT HISTORY**

**2021- Present Big Data Consultant The App Experts**

* Direct Line Group is a British insurance company that sells insurance to consumers via the internet and phone. Their brands including Direct Line, Churchill, Privilege, Darwin, NIG, and Green Flag.
* Main purpose of the project was setting up ATK toolkit to get data from ADW to SDW. Setting up AWS Environment, EC2 instance, AWS RDS Connection
* Configured and built ATK
* Queried large datasets in CSV format stored on AWS S3 using AWS Athena
* Established connectivity between ATK and SDW
* Wrote complex SQL queries for an on-premises PostgreSQL database as well as an AWS Redshift Data Warehouse
* Connected to a test environment in Acturis
* Installed and configured data marts for ATL on AWS EC2 instances
* Wrote ETL jobs in Pyspark running on an AWS EMR instance
* Mapped the Acturis Toolkit/Staging Data Warehouse to AWS to enable operational reporting
* Created the ATK design, build, and configuration documentation in Confluence pages
* Created job in AWS Glue for Autoglass feed by connecting directly to AWS RDS and storing CSV output in an S3 bucketed Setup an Airflow task scheduler to run ATK scripts daily
* Configured the ATK file toolketsettings.xml to create a connection between a local RDS environment an an Acturis test environment
* Installed and configured SSMS, PyCharm, GitHub, and AWS CLI software on AWSEng workspace VDE
* Created source to target mappings for different operational feeds
* Converted Glue Dynamic Data Frames to Spark Data Frames and joined different SDW tables
* Performed transformations and aggregations on combined data frames for Autoglass and FSH feeds
* Compressed data from FTP server using databricks to AWS S3 data lake for Ecotricity.
* Working as senior developer in Deutche Bank, compression and archiving hadoop data using Spark scala.

**2019- 2021 Prison Officer HMP Brixton**

* Civil servant operational duties

**2010– 2011 Trainee Mathematics Teacher Brunel University**

* Quickly mastered and used complex pedagogic techniques
* Reliably contributed to the smooth running of a small yet very busy Mathematics department
* Dealing with the Head of Department and Students teaching Mathematics and developing a thorough understanding of problem solving.

**2008 – 2009 Home Tutor Alpha Tutors Ltd.**

* Teaching Science, Engineering, Computing and Mathematics to students at home

**2001 – 2004 Lab Engineer / Lecture UET Lahore Pakistan**

* Successfully planned and engineered CAD Lab
* Designed and developed AutoCAD Teaching strategies
* Created computerized 3D Model of mechanical Parts
* Maintained University Engineering Drawing Department

**INTERESTS AND ACTIVATES**

**Sports**

* Love playing cricket, Badminton and Table Tennis

**Music**

* Jointly organized and took part in a music concert at university
* I like playing guitar, Keyboards, flute