



# Muhammad Sajjad

**Nationality:** Pakistani **Date of birth:** 11 Jan 1988 **Gender:** Male

**Phone number:** (+92) 3339929878 **Email address:** [sajjadalvi51@gmail.com](mailto:sajjadalvi51@gmail.com)

**Home:** House No 16-T KBHS, 54400 Lahore (Pakistan)

## ABOUT ME

I have over 12 years of professional experience on AWS as a Cloud Architect and CloudOps Operational Engineer. Additionally, I have worked as a Database Administrator in highly complex large environments. Throughout my career, I have demonstrated enthusiasm, self-motivation, and a strong ability to achieve personal objectives. My organization has also seen success as a result of my contributions. I pride myself on possessing excellent verbal and written communication skills, as well as problem-solving abilities. I thrive under pressure while maintaining a high level of accuracy.

## WORK EXPERIENCE

### Data Analyst

**Purelogics** [ 15 Apr 2024 – Current ]

**City:** Lahore | **Country:** Pakistan

- Having Good experience in different areas of database i.e. Designing, Administration of MSSQL, MySQL, Oracle, and AWS RDS (Aurora PostgreSQL, MariaDB, MySQL, Oracle, MSSQL Server, AWS Dynamo DB, Amazon Redshift).
- Worked experience on AWS cloud operational excellence to support development and run workloads effectively, gain insight into their operations, and continuously improve supporting processes and procedures to deliver business value.
- Proven design and implementation experience with relational databases such as SQL Server, MySQL, PostgreSQL, or Oracle. Be involved in different stages of the lifecycle (schema design, Query Tuning and Optimization, HA/DR implementation, and operational management)

### Senior Managing Consultant Cloud Services

**Systems Limited** [ 29 Oct 2013 – 20 Mar 2024 ]

**City:** Lahore | **Country:** Pakistan

- Worked on Installation and Configuration of SQL Server, PostgreSQL, and MySQL Databases on Windows platforms.
- Worked on SQL Database Performance tuning, Monitoring, and Configuration. Provided HA/DR best solution as per need.
- Reduced the cost of RDS & Backup and other services.
- Migration of Databases from on-prem to cloud and vice versa (SQL Server, MySQL, Oracle)
- Administration in Amazon AWS (EC2, RDS, SES, S3, ELB, Auto Scaling, Route 53, and Cloud Watch).
- Proactively respond to database alerts, incidents, and performance issues on Amazon RDS to minimize downtime and optimize query performance.
- Collaborate with cross-functional teams to design and implement database solutions that meet application requirements and scalability needs on RDS.
- Prepared database capacity planning on Amazon RDS and provided recommendations for resource optimization.
- Developed RDS, and EC2 through CloudFormation and implemented backup, recovery, and disaster recovery strategies on Amazon RDS to ensure data integrity and availability.
- Performed data migration and conversion between different database technologies, ensuring data accuracy, consistency, and minimal service disruption.
- Worked on database schema design and optimization, including indexing, partitioning, and data modeling, on Amazon RDS.
- Collaborate with developers to optimize query performance, troubleshoot slow-running queries, and suggest query optimization techniques on Amazon RDS.

- Having Good experience in different areas of database i.e. Designing, Administration of MSSQL, MySQL, Oracle, and AWS RDS (Aurora PostgreSQL, MariaDB, MySQL, Oracle, MSSQL Server, AWS Dynamo DB, Amazon Redshift).
- Worked experience on AWS cloud operational excellence to support development and run workloads effectively, gain insight into their operations, and continuously improve supporting processes and procedures to deliver business value.
- Proven design and implementation experience with relational databases such as SQL Server, MySQL, PostgreSQL, or Oracle. Be involved in different stages of the lifecycle (schema design, Query Tuning and Optimization, HA/DR implementation, and operational management)
- Good knowledge of infrastructure requirements such as Networking, Storage, and Hardware Optimization.
- Worked on AWS Services EC2, Load Balancing, Auto-Scaling, VPC, FSX, Cloud formation, CloudWatch, Compute Optimizer, AppStream, and Workspaces. IoT and Amazon web services.
- Managing database on ec2/RDS and app high availability solutions, including documentation and drills.
- Responsibilities include deploying product updates, identifying production issues, and implementing integrations that meet business needs.
- Worked on FinOps cost saving of RDS/EC2 using Cloud Health and Compute Optimizer services.
- Worked on AWS RDS, EC2, and workspace compliances like patching, TrendMicro, Carban Black, SSM, Tagging, CMDB, Monitoring, etc.
- Responsible for Database support, troubleshooting, planning, migration, and coordination with the team.

## Software Developer

**Eastern Leather Company Limited** [ 9 Apr 2012 – 2 Jul 2013 ]

- Software Testing, Execution, Planning & Documentation
- Payroll Management System and Asst. to new Development
- Data troubleshooting requests by users and Transactional Replication in SQL 2012 R2
- Asst. in Software Troubleshooting and any other assigned by IT manager/management
- Synchronization of distributed databases in MS SQL Server and Database Script Execution, Data Analysis, and error handling
- MS SQL Server 2012(Installation, Configuration, Upgradation, Replication, Synchronization of Distributed Database) and worked in Crystal Reporting 9 & 10
- Developed and maintained technical documentation
- Performed problem diagnosis, troubleshooting, and quick resolution

## PROJECTS

[ 1 Dec 2021 – Current ]

### Regeneron Pharmaceuticals (USA)

- Leading as an AWS cloud operational excellence to support the development and run workloads effectively, gain insight into their operations, and continuously improve supporting processes and procedures to deliver business value.
- Worked on FinOps for massive cost savings using Cloud Health, Cloudwatch, and AWS Compute Optimizer services.
- Worked on protecting data, systems, and assets to take advantage of cloud technologies to improve security using AWS Security, Identity, and compliance services including AWS Key Management Service (KMS), AWS Identity & Access Management (IAM), AWS Single Sign-On, Amazon GuardDuty, AWS Route 53 Resolver DNS Firewall, Amazon Cognito, AWS Security Hub, AWS Web Application Firewall (WAF), AWS Web Application Firewall (WAF), AWS Config, AWS Inspector, AWS CloudTrail, AWS Neptune.
- Worked on RDS/EC2 upgrade and patching along with day-to-day Admin tasks.
- Performed EC2/RDS Disaster Recovery drill every month and patching activity as per Category.
- Worked on AWS Services EC2, Load Balancing, Auto-Scaling, VPC, FSX, Cloud formation, CloudWatch, Compute Optimizer, AppStream, and Workspaces.
- Worked on on-prem to cloud migrations and post-migration activities.
- Worked on AWS ec2, and RDS Backup Strategies and Backup validations.
- Managing database on RDS and app high availability solutions, including documentation and drill.

- Core responsibility was to streamline the company's AWS footprint by optimizing costs, new resource provisioning, enforcing tagging, managing schedules, and patching regular updates to all AWS applications Deployed.
- Worked on ServiceNow to keep track of all Customer tickets/Incidents and Scheduled reporting on AWS resources to enforce compliance with standards.
- Proven design and implementation experience with relational databases such as MySQL, PostgreSQL, Oracle, or SQL Server.
- Worked in different stages of the lifecycle (schema design, Query Tuning and Optimization, HA/DR implementation, and operational management)
- Managing MySQL replication and its role in high availability and scalability.

[ 10 Jun 2017 – 10 Apr 2021 ]

#### **Kellwood Apparel, LLC – USA**

- SQL Database Administration tasks such as Installation and Configuration on Windows Platforms
- Troubleshoot day-to-day database issues system stability and throughput
- High Availability and Disaster Recovery Solution Implementation
- Daily Health Checks of Database Activity
- Performing Tuning of SQL Server and Expensive Queries
- Maintenance of Tablespace, Segments, Extents, Blocks, Indexes, Backup
- ETL Packages Execution and BI Executive Dashboard Reports
- Database User Security Implementation i.e. User, Roles, Privileges, Profiles, Password Security, and Resource Usage Management

[ 11 Sep 2014 – 12 Jun 2015 ]

#### **Avanceon - DSS Operational (USA)**

- Worked as a lead to understand the Business process and deep analysis, deployment, and fixed issues by initial troubleshooting
- Worked as a team member to Plan, test, and implement software patches and application updates or upgrades.
- Developed script to automate the existing system as per Management requirements.
- Manage all the artifacts during the project deliveries & testing phase, customization & implementations.
- Performed problem diagnosis on a daily basis, troubleshooting, and quick resolution.

[ 12 Feb 2015 – 7 Jun 2017 ]

#### **IGI Insurance (PAK)**

- This Project has multiple dimensions like insurance, CRM, and IGI driving mobile applications, my role was
- To perform optimization and development for new and existing database structure and development.
- Monitoring, Performance tuning
- Monitor and Troubleshoot SQL Server infrastructure
- MS SQL Server 24/7 support, Health check

[ 13 Dec 2013 – 1 Sep 2014 ]

#### **Systems Limited – ESS Portal (PAK)**

- Perform DBMS software installations, and plan and test upgrades.
- Plan, test, and implement software patches and application updates or upgrades.
- Disaster recovery preparation and testing.
- Develop and maintain technical documentation.
- Develop and automate system-related procedures.
- Perform problem diagnosis, troubleshooting, and resolution.

EDUCATION AND TRAINING

Bachelor of Science in Computer Science

COMSATS University [ 1 Mar 2008 – 10 Mar 2012 ]

AWS Certified Database - Specialty - XLHRJ5M29EFQ1FCD

Amazon [ 3 Aug 2023 – 3 Sep 2023 ]

GCP Professional Cloud Database Engineer

Google [ 1 Jul 2024 – 7 Jul 2024 ]

City: Lahore | Country: Pakistan

SQL and Relational Databases101

Cognitive Class [ 7 Oct 2022 – 7 Nov 2022 ]

DP-300 Administering Relational Databases on Microsoft Azure - 9711341

Microsoft [ 8 Oct 2018 – 7 Nov 2018 ]

DIGITAL SKILLS

AWS (S3, Lambda, EC2) / Data Recovery and Backups / Load Balancing and Failover / AWS (RDS) / AWS(Lambda,S3,IAM,EC2,VPC,DynamoDB,SQS,SNS,CloudWatch,CloudFront,Lex) / Devops: Docker, Jenkins / Database - SQL Server / AWS Services(S3,EC2,Lambda,Redshift,RDS,Aurora..) / DevOps: AWS, Git. / AWS (EC2, RDS, S3) / CloudRanger / Databases (MySQL, PostgreSQL, Oracle) / Amazon Web Services: EC2, S3, RDS, CloudFormation, VPC / Atlassian stack (Jira, Confluence, ...) / MS Dynamics AX / AWS (EC2, VPCs, Cloud Watch), Docker, Kubernetes. / Version Control System (Git)

REFERENCE

To be furnished on demand