



# Mahesh Kansara

Database Engineering Manager,  
Technical Lead at Amazon Web Services (AWS).

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## PROFESSIONAL SUMMARY

A results-driven professional with 22 years of overall experience, currently specializing in leading database engineering and migration projects on the AWS platform. As a Database Engineering Manager on the AWS Database Migration Service (DMS) team, I lead a high-performing engineering team focused on delivering scalable and innovative solutions that enable seamless database migrations for AWS customers. My work drives product enhancements, operational excellence, and cross-functional collaboration to ensure the successful delivery of impactful projects. Proficient in AWS solutions such as DMS, RDS, and Redshift, I have extensive hands-on experience configuring Clustering, Mirroring, Log Shipping, and Replications to support cloud migrations.

My background includes over 15 years of expertise in implementing, analyzing, optimizing, troubleshooting, and documenting MS-SQL Server and Oracle Database support functions across on-premise and cloud environments. With a comprehensive understanding of Database Clustering and Administration principles, I specialize in migrating across various database versions. I excel in analyzing information system requirements, evaluating end-user needs, designing custom solutions, and troubleshooting complex client environments effectively.

Passionate about building robust database migration services, I strive to empower businesses to scale and continuously innovate to enhance the cloud migration experience.



## PROFESSIONAL EXPERTISE

- Amazon Web Services (9+ Years)
- MS-SQL Server (9+ Years)
- ORACLE (7+ Years) groups
- MongoDB
- SAP ECC 6.0
- Amazon Database Migration Service
- Amazon Relation Database Service
- Project Planning
- Database Administration & Management
- Technical Support & Troubleshooting



## PROFESSIONAL EXPERIENCE

**Database Engineering Manager | Nov 2021 – Present**

**Amazon Web Services, DMS Seattle**

As a Database Engineering Manager on the DMS team, I lead a high-performing engineering team to deliver scalable and innovative solutions that empower AWS customers with seamless database migrations. My responsibilities include driving product enhancements, operational excellence, and cross-functional collaboration to ensure the successful delivery of critical projects.

### **My Key achievements include:**

Leading the AWS Database Migration Service (DMS) Integration with SQL Server Transaction Log Backup, enabling efficient and consistent data replication.

Developing the AWS DMS Monitoring Dashboard, a publicly available tool to enhance observability and optimize customer migration workflows.

Spearheading the Amazon S3 and Amazon Redshift Data Validation Project, ensuring seamless and accurate data transfers for cloud-native architectures.

Driving the Observability initiative, providing end-to-end visibility into systems and services for enhanced operational efficiency.

In this role, I focus on enabling career growth for my team through mentoring, coaching, and performance management while fostering technical excellence and innovation. By collaborating with product management and engineering stakeholders, I align resources to deliver solutions that address customer priorities and drive business impact.

### **Sr. Database Engineer | April 2020 – Nov 2021**

#### **AWS Database Migration Service-DMS/SCT**

As a Senior Database Engineer with AWS Database Migration Service (DMS), I contributed to building scalable, high-performing, and highly available distributed systems that power seamless database migrations for AWS customers worldwide. My work directly supported businesses migrating to the cloud, enabling cost-effective, reliable, and efficient database solutions.

I designed and implemented software tools for mission-critical services, leveraging RDBMS, SQL, Perl, and Java in UNIX/Linux environments. I partnered with teams to debug software programs, enhance existing systems, and implement scalable features for distributed systems used by thousands of customers. I led design reviews for database solutions, guiding software teams on optimal database technologies and establishing design standards to ensure scalability and performance.

Key achievements include supporting managed database services (RDS), data warehouse services (Redshift), and cloud architecture tools like DMS, EC2, and S3. These efforts enabled customers to seamlessly migrate and operate in AWS environments. I drove operational excellence by automating processes, analyzing trends, and improving the reliability and performance of DMS systems.

I spearheaded scaling initiatives for Amazon's software fleets, addressing complex performance issues and ensuring system reliability. Additionally, I managed the engineering and operations of DMS and SCT, delivering critical functionalities for RDBMS engines, including Oracle, Microsoft SQL Server, and PostgreSQL. I mentored database engineers, fostering technical excellence and career growth, while standardizing scalable design approaches to raise the bar for innovation and efficiency.

My work directly enhanced AWS DMS, improving its reliability and scalability for thousands of customers globally. By enabling seamless migrations of mission-critical workloads, I empowered businesses to reduce complexity, ensure data integrity, and focus on innovation.

## **Database Engineer | Feb 2018 – Apr 2020**

### **AWS Database Migration Service-DMS/SCT**

As a Database Engineer with AWS DMS, I contributed to building scalable and reliable systems to support seamless database migrations. My role focused on implementing software tools, debugging distributed systems, and automating operational tasks using technologies like RDBMS, SQL, and Perl in UNIX/Linux environments. I collaborated on scaling activities, performance optimizations, and design reviews, ensuring high availability and efficiency for AWS customers.

## **Cloud Support Engineer II ,AWS Database Migration Service-DMS/SCT Feb 2018 – Apr 2020**

As an AWS Cloud Support Engineer, I helped customers worldwide leverage AWS's transformative technology to power their mission-critical applications. My work focused on supporting key AWS services, including RDS, Database Migration Service (DMS), and Redshift, while delivering impactful solutions for database cloud architecture, migrations, and performance troubleshooting.

### **Key Contributions:**

**Engineering and Automation:** Designed and implemented tools to support mission-critical services, utilizing RDBMS, Perl, and SQL in UNIX/Linux environments. Automated manual tasks to improve efficiency and operational reliability.

**Scaling and Troubleshooting:** Planned and executed scaling activities for Amazon's software fleets and resolved complex performance issues in large-scale distributed systems. Delivered actionable recommendations to improve system scalability and reliability.

**Customer Advocacy:** Escalated recurring customer issues and feature requests to engineering teams, ensuring product improvements aligned with customer needs.

**DMS Escalations:** Provided expert support for Database Migration Service escalations, guiding customers through challenging database migrations and optimizing their workflows.

**Mentorship and Leadership:** Trained new hires, delivered technical sessions, and collaborated on process improvements to enhance team productivity and performance.

This role allowed me to deliver impactful solutions that improved operational efficiency and empowered businesses to achieve their cloud adoption goals. By resolving complex technical challenges, driving process improvements, and advocating for customer needs, I contributed to the success of AWS customers and internal teams.

## **Cloud Support Engineer I ,AWS Database Migration Service-DMS/SCT Dec 2015 – Apr 2020**

In this role, I provided technical support for key AWS services, including RDS, DMS, and Redshift, helping customers resolve complex issues and optimize their use of AWS. I focused on debugging software programs, enhancing cloud architectures, and automating processes to improve operational efficiency. By partnering with engineering teams, I escalated critical customer feedback to drive service improvements and played a key role in ensuring seamless database migrations for AWS customers.

## **Technical Lead | Microsoft Visual Studio Online (VSO), MindTree, Oct 2013 – Dec 2015**

As a Technical Lead for Microsoft Visual Studio Online (VSO) and the Community Apps Property, I played a key role in managing database administration and implementing high-availability solutions. My responsibilities spanned critical SQL Server environments, infrastructure activities, and automation to ensure seamless operations for mission-critical applications.

## **Technical Lead | Database Administrator, MindTree, Apr 2013 – Oct 2014**

**Microsoft Office 365 Gala Cake:** As a Technical Lead and Lead SQL Server Database Administrator on the Microsoft Office 365 ORGID Backend Team, I played a critical role in ensuring the reliability and scalability of backend database systems supporting Office 365. My contributions focused on optimizing database performance, implementing high-availability solutions, and providing backend support for seamless organizational identity (ORGID) operations.

## **Sr. Database Administrator, IT Action Guj. Pvt. Ltd, Ahmedabad - India , Apr 2007 – Apr 2013**

As a Senior Database Engineer, I designed, implemented, and supported high-availability database solutions for mission-critical systems using SQL Server (2005/2008/2008R2) and Oracle (10g/11g). My work ensured reliable, secure, and optimized database environments for diverse enterprise applications.

## **Database Engineer, Videocon Industries Ltd - India ,Feb 2006 – Apr 2007**

As a Senior Database Engineer, I designed, implemented, and supported high-availability database solutions for mission-critical systems using SQL Server (2005/2008/2008R2) and Oracle (10g/11g). My work ensured reliable, secure, and optimized database environments for diverse enterprise applications.

## **Database Administrator, Finix Infotech - India, Sep 2004 – Feb 2006**

As a Senior Database Engineer, I designed, implemented, and supported high-availability database solutions for mission-critical systems using SQL Server (2005/2008/2008R2) and Oracle (10g/11g). My work ensured reliable, secure, and optimized database environments for diverse enterprise applications.

## **Software Developer - VJKM Institute of Management and Computer Studies - India, Sep 2002 – Sep 2004**

Oracle 9i Database Server Deployment and Intranet Application Development

As part of my role, I contributed to the installation, maintenance, and development of Oracle 9i database environments while also supporting educational and training initiatives.



## **ACADEMIC EXPERIENCE**

**B.E. (Computer Science) from DDIIT University, Naidad in 2002.**

**Diploma in Computer Technology from Govt. Polytechnic Gandhinagar, 1999.**



## **CERTIFICATIONS**

**OCP (Oracle Certified Professional) Oracle 11g.**

**OCP (Oracle Certified Professional) Oracle 10g.**

**Oracle 10g Certified Cluster Administrator.**

**MCTS/MCIPT (SQL Server 2005/2008/R2)**



## **BLOGS**

[migration-validation-part-2-introducing-data-validation-in-aws-data-migration-service/migrate-to-native-partitioned-tables-in-postgresql-10-using-aws-database-migration-service/configure-change-data-capture-parameters-on-amazon-rds-for-sql-server/](#)



## **PUBLICATIONS**

[Chatbots Usage in Online Customer Service A Review](#)