# Sandeep Jain

Mainframe DB2 DBA

**Successfully completed AWS Certified Solutions Architect – Associate certification course**

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## Professional Summary

Over 15+ years in the IT function with Sound knowledge in Mainframe technologies in varying phases of IT Service Lifecycle. Currently working as IT Contractor, looking to take new challenge in AWS cloud computing. I have conceptualised, planned, & deployed Mainframe solutions for major IT Infrastructure Services organisations and Government agencies. I am a goal-oriented person and drive to get a project delivered, all the while being very conscious of the ‘human’ factors involved thus able to build productive working relationships with both colleagues and client. I can effectively communicate with people at all levels within an organisation. Looking for challenging career in Cloud and DevOps.

**Key Professional Skills and Experience**

* Good Knowledge of AWS Product set such as EC2, VPC, S3, CloudFormation, Elastic Beanstalk, RDS, Route53, CloudFront, Python, Jenkins deployments, CI, CD and MongoDB.
* Has current and applicable knowledge of industry, market and IT (information technology) services best practices and trends as well as maintaining certification on AWS to evaluate and ensure company solutions and services are meeting the needs of clients
* Knowledge of public cloud in general and Automation , Containers ,application portability
* Ability to design high availability applications on cloud adhering to DR and availability best practices along-with security practices centered around cloud
* Knowledge of data migration (to public cloud) practices and technologies.
* Has ability to clearly present concepts and Cloud Managed Services products to internal and external clients
* ITIL Change Management, Incident Management, Problem Management etc.
* Knowledge of SCRUM Methodology.
* Sound knowledge of z/OS IBM mainframe, BS2000 of Fujitsu Mainframe.
* Extensive knowledge and experience as a DB2 DBA in an IBM z/OS mainframe, TSO/ISPF, SDSF, COBOL, JCL, VSAM, JES2, TWS/OPC, REXX.
* BMC Tools – NGT Utilities, Logmaster, Main view, Catalogue Manager, Change Manager, Recovery Manager and Instant Snapshot.
* CA Toolset – Insight, RC Query & Migrator, SYSVIEW, Log Analyser, CA7/CA11
* Extensive work experience with vendor products which support DB2 & MQ Series.
* Experience creating, modifying and maintaining DB2 objects (DML and DDL).
* Ability to perform IBM DB2 utilities Copy, Load/Unload, Runstat, Reorg.
* Proficient with both systems and applications level Performance tuning.
* Significant experience with DB2 backup and recovery strategies.
* Ability to perform diagnostic and troubleshooting to assist with problem resolution.
* Good Knowledge of Robotic Process Automation life cycle and RPA tools UiPath Studio, Orchestrator, web automation, data extraction and Debugging.

## Employment History

**Client – Scottish Southern Electric Contract Feb 2018 —Till Date**

**Role: - Mainframe DB2 DBA**

Contract DB2 DBA heavily involved in a complex and challenging environment into the SSE systems, forming the UK's biggest Utility company. Enjoying building new development, acceptance and production data sharing groups, the data acquisition for test systems, data refreshes, day to day support and problem determination and resolution. Providing day to day support of production, pre-production and test DB2 systems. Now working on further masking to be fully GDPR compliant. I have worked with multiple teams and clients to deliver services.

**Technology: -** IBM z/OS DB2, TSO/ISPF, JCL, SDSF, JES2, REXX, VSAM, IBM MQ, BMC Toolsets etc.

**Responsibilities:**

* Support multiple DB2 subsystems in a z/OS mainframe environment for Prod, Quality, and Test and application development team.
* Ensure integrity, availability and performance of DB2 database systems by providing technical support and maintenance.
* On call support for production systems, job streams and processes
* Responsible for DB2 Catalog and Directory copies, recovery and reorg
* Responsible for problem identification and resolution on problems and outages of DB2 subsystems, associated third party products, and job abends
* Perform table space recovery, data set recovery and transaction recovery under various circumstances. Develop and maintain patches for database environments.
* Perform data maintenance using setup and support of database utilities including BMC NGT utilities and IBM COPY, REORG, LOAD, UNLOAD, RUNSTATS, BIND and EXPLAIN.
* Creating Baseline profiles, generating baselines and managing baselines.
* Create and maintain production jobs which create DB2 image copies to ensure data recoverability.
* Identify and recommend database techniques to support business needs.
* Assist in implementation of new features and program fixes in databases.
* Maintain database security and disaster recovery procedures.
* Work with security administration team to assign appropriate DB2 authorization roles for access control of tables, plans and packages. Involved in granting various authorisations and privileges.
* Proactively monitor and Perform troubleshooting and daily maintenance of multiple databases in accurate and timely fashion.
* Resolve any database issues Monitor databases regularly to check for any errors such as existing locks and failed updates. Oversee utilisation of data and log files.
* Monitor database performance and recommend improvements for operational efficiency.
* Assist in capacity planning, space management and data maintenance activities for DB2 systems.
* Perform SQL tuning and bind plan/package creation for enhancements and developments
* Prepare test environments and performed baseload, data refresh.
* Planning DB2 version migration activities, in migration phases and in performing post migration tasks

**Organisation: ATOS IT Services LTD, UK Oct 2006 – Present**

**Role: - Mainframe Systems DBA July 2011 – Feb 2018**

**Client: -** Liverpool Victoria, Royal Mail Group, Network Rail and Equitable Life Assurance Society

**Technology: -** IBM z/OS DB2, IMS DB, TSO/ISPF, JCL, SDSF, JES2, VSAM, IBM MQ, BMC & CA Toolsets, SCRUM

**Responsibilities:**

* Support multiple DB2 subsystems in a z/OS mainframe environment for Prod, Quality, and Test and application development team.
* DB2 DBA working in a vibrant team performing a mixture of day to day support and project work. ATOS had a very large parallel sysplexes and multiple DB2 data sharing groups holding most of the insurance companies and Royal Mail group data which was accessed primarily via CICS.
* Day to day support required proactive evaluation and testing of SQL to be run in production and the evaluation and testing of back outs.
* Responsible for DB2 Catalog and Directory copies, recovery and reorg
* Responsible for problem identification and resolution on problems and outages of DB2 subsystems, associated third party products, and job abends

**Role: - Mainframe System Engineer Oct 2006- July 2011**

**Client: - Driver and Vehicle Standards Agency (DVSA)**

Technology: - SESAM database, BS2000, HIPLEX, BCAM, SM2

* Providing 24x7 support for production database and supporting all test and development environments.
* Doing regular business contingency plan exercise for switching over to standby machine to ensure that all resources are available, and system is robust enough to cater demanding need of today’s environments.
* Creating and managing database object in all the environments including Test development and live boxes. Doing database upgrade as and when required including schema changes and views.
* Loading and unloading data as per requirement for reference data changes.
* Creating and applying new baselines, including schema changes for data mining objects and daily checks of data mining jobs executed last night.

## Organisation: IBM India Pvt Ltd Oct 2004 - Oct 2006

**Client: GE Capital Role: Mainframe System Engineer**

* GE Console Operations perform 24/7 console monitoring, hands support, recovery management, and some network operations functions. Support for 16 GE businesses.
* Monitoring the mainframe for external and internal security threats through IBM Tivoli zSecure Alert. Invoke MVS commands and VTAM commands. Invoke and inquire JES2 commands.
* Working with MVS Utilities. Working with DFHSM commands. Working with subsystem commands like CICS, DB2, IMS commands (Start/Stop commands, Hot/Cold restarts, etc).

## Education

Having achieved a Bachelor’s degree (Engineering) with distinction, I have gained in-depth knowledge spanning areas from, Database Administration, Software Installation, upgradat ion and SDLC.

**Professional Courses & Certifications:**

* Successfully completed AWS Certified Solutions Architect – Associate certification course.
* DB2 for z/OS: Database Design, Implementation & Administration (DDA)
* ITIL Capability Intermediate Level Certificate in Operational Support and Analysis.
* ITIL V3 Foundation Certificate in IT Service Management Plus.
* Has done ATOS project Lead training, aligned with PRINCE2 and PMBOK.
* EMC ISM v2: RAID and Intelligent Storage Systems
* Fundamental of SAP S4/HANA Memory Database, Big Data, Hadoop and Spark,

## Achievements

* Received Atos Long Service Bronze Award 2016.
* Received Atos Accolade Bronze Award in 2014.
* Received Champions award from Siemens in 2010.

## Right to Work – UK Citizen. References would be provided upon request.