**Ashish Khandelwal**  ** **

**Sr. Engineering Architect**

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**Location: Redmond (WA) US**

# PROFESSIONAL SUMMARY

As an engineering architect and a core member of the Azure R&D Data-Magnet team, I collaborates with different products and services group to make the legacy system migrations successful on Microsoft Azure & Data platform. I am responsible for helping grow the Azure Data/SQL platform by unblocking complex Mainframe workload migrations and driving product truth across the enterprise.

My core priority is to empower our customers through these migrations and helping them unlock new business functionalities by adopting Microsoft Azure and Data products.

**Whitepaper & Azure Architecture Center contributions:**

* [Mainframe to Azure Migration Patterns](https://learn.microsoft.com/en-us/azure/architecture/example-scenario/mainframe/reengineer-mainframe-batch-apps-azure)
* [Modernize mainframe & midrange data](https://docs.microsoft.com/en-us/azure/architecture/reference-architectures/migration/modernize-mainframe-data-to-azure)
* [Replicate and sync mainframe data in Azure](https://docs.microsoft.com/en-us/azure/architecture/reference-architectures/migration/sync-mainframe-data-with-azure)

**Key Specialties:**

* Mainframe migrations and Modernizations on Microsoft Azure platform.
* Microsoft Azure IaaS & PaaS
* Experience with Technical Architecture for complex distributed and Industry compliant workloads on Azure
* Azure PaaS Services
* ARM Scripting
* PowerShell
* SQL for Azure
* Azure COSMOS DB

# PROFESSIONAL EXPERIENCE

## Microsoft Corporation (Principal Engineering Architect – Azure Data R&D) Nov 2018 – Till Date

Azure Data Platform is a multi-billion dollars product group for Microsoft. Some of the top products developed by this engineering group are: SQL Server, Azure SQL Database, Azure SQL Managed Instance, Azure SQL Data Warehouse, Cosmos DB, Azure Database for PostgreSQL and Azure Database for MySQL & Fabric etc.

I am part of Data SQL Ninja group within Azure Data Engineering, this group spans across all Azure Data Services and r migration tooling and products like [Azure SQL Database](https://azure.microsoft.com/en-us/products/azure-sql/database), [SQL Server Migration Assistant](https://docs.microsoft.com/en-us/sql/ssma/db2/sql-server-migration-assistant-for-db2-db2tosql?view=sql-server-ver15), [Azure Data Migration Services](https://azure.microsoft.com/en-us/services/database-migration/) and Data Migration Assistant etc. Enabling homogenous and heterogenous migrations to Azure Data Platform is one of the core priorities of this group. Leading, Innovating and productization of migrations to key Data platform services are one of the core priorities of Data SQL Ninja within Azure Data Engineering. One of the key goals of Data SQL Ninja is to accelerate commercial engagements and migrations to Azure Data platform.

This group is exclusively aimed at increasing Azure and Data Platform adoption through migration, modernization and automation. Data SQL Ninja has a team of 40+ engineering architects to support the world-wide customer base in North America, EMEA & APAC.

As a Principal Engineering Architect, I am leading Data SQL Ninja for Mainframe/Legacy modernization. Data SQL Ninja’s function is critical to the success of Azure Data Platform business, core charter of the Data SQL Ninja program is to unblock and accelerate complex **IBM mainframe modernization** and compete data platform migration opportunities onto **Microsoft/Azure Data platform**, this includes modernization/migration of mainframe data platforms like DB2, VSAM, IMS and application platform like COBOL, CICS, Assembler, PL1 etc. DATA SQL NINJA is committed to accelerate the adoption of Microsoft Data & AI products stack by Microsoft’s existing and new customers and partners. Programs under Data SQL Ninja offer expert resources during Assessments, Proof of concept (POC), Pilot, & Production migration delivery oversight. Data SQL Ninja programs are mainly for Microsoft Field/Partner/ISV teams to leverage expert resource in collaboration with C+E directly to address migration and product feature specific blockers.

I also manage the technical and business adoption by Microsoft’s customers, partners and ISVs of the entire compete platform migration to Azure Data platform, this include product and services stack like Microsoft’s data management and analytics solutions, Microsoft SQL Server, Azure SQL Database, Azure SQL Managed Instance, Azure Data Warehouse, Azure SQL Data Warehouse, Cosmos DB and Azure Database for PostgreSQL. Most of these technologies and the solutions are relatively new to Microsoft’s overall product portfolio and are key to the growth strategy of Azure Data Platform.

I am responsible for creating the strategies required for prioritizing and overseeing the development and adoption of Data SQL Ninja offers, which can result in customers realizing the full potential of Microsoft Azure Data services technologies. This directly results in the growth of Microsoft revenue through services sales and Azure Data platform consumption.

**My key responsibilities are:**

* Driving the engineering product feedback for various Microsoft Products and Platforms from legacy

Migrations & Modernizations

* Working as a Subject Matter Expert in the space of legacy migration to help customers, partner and internal Microsoft teams
* Contributing to writing the product feature specification for new capability as well as enhancement to existing capability
* Driving the modernization from core product group engineering and helping our customers migrate these legacy workloads to newer, agile and distributed Microsoft platforms and Azure cloud
* Helping customers introduce new business functionalities to their core legacy systems through these migrations
* Collaborating with different products and services group to solve some of the hardest and most interesting technology challenges in the industry
* Working on Mainframe/AS400 migrations successful on our platform.

Led a 10+ member global team of engineers and architects to accelerate migration and modernization of mission‑critical mainframe and legacy applications onto Azure Data Platform.

* **Accelerated Modernization:** Architected and executed 50+ end‑to‑end migration engagements (DB2, VSAM, IMS, COBOL, CICS) for Fortune 100 customers, reducing overall TCO for customers.
* **Product & Tooling Leadership:** Shaped product roadmap and authored feature specifications for Azure SQL Database, Migration tooling and Data Ingestion tools such as Azure Data .
* **Strategic Partnerships:** Collaborated with field, partner, Service Integrator and ISV teams across North America, EMEA, and APAC to establish a standardized migration framework.
* **SME & Advisory:** Served as primary subject‑matter expert in legacy modernization; delivered 50+ technical workshops and brown‑bags, enabling internal C+E teams to unblock complex migration blockers.
* **Automation & Innovation:** Spearheaded development of automated validation utilities & custom IPs for post‑migration data integrity (Db2 → Azure SQL), ensuring SOX compliance and reducing audit remediation.
* **Go‑to‑Market Enablement:** Co‑developed best‑practice playbooks , whitepapers, technical blogs , Azure Architecture center docs and landing zones for mainframe modernization; trained 200+ Microsoft field sellers, accelerating deal closure.

## Springleaf Financial (Credit Risk Systems - Mainframe) Feb 2016 – Nov 2018

*Sr. System Analyst*

Springleaf Finance (Also known as OneMain financial) services first and second real estate mortgages and offers loans for automobiles and other goods. Most of Springleaf's mortgages are categorized as subprime or nonprime loans. The company also provides credit insurance and related products through subsidiaries Merit Life Insurance and Yosemite Insurance. Springleaf operates about 2,000 offices in the US, Puerto Rico, and the US Virgin Islands.

* Enhancement & Maintenance of current Credit Risk Systems which involves
	+ Format the frontend application data to call credit bureaus
	+ Call & format credit bureau data received
	+ Calculate the credit risk and rate application based on all attributes calculated
	+ Decision the application and send decision to front end.
* Co-Ordinate with Credit Bureau’s for
	+ Softcare changes (Government compliance and act)
	+ Credit bureau reporting for active accounts
	+ Monthly Credit bureau refresh
	+ Monthly Billing & Invoices on credit reports & products purchased
	+ Network maintenance & outages
* Involved in gathering Business Requirements, Technical requirement for preparing deliverables.
* Involved in carrying out impact analysis of the program due to any modifications in the business functionality.
* Prepared the technical specifications for the proposed change in the application.
* Analyzing and developing programs using COBOL/DB2, CICS, VSAM, and JCL.
* Used debugging tools like Batch DEBUGGER to identify the bugs in Cobol/db2 batch programs and fixed them.
* Used File-Manager tool to view and maintain the data in DB2 tables for testing.
* Reviewed the changes done on the application modules.
* Reviewed the Unit test result documents before delivering to the customers.
* Supported the system testing that is done on QA environment by the QA team.
* Responsible for overseeing the quality procedures related to the project
* Deployed the changes to the production and provided the post implementation support

## Codeworks (Client: Thomson Reuters) Aug 2015 – Feb 2016

*Programmer Analyst*

Settlement & securities processing (SSP)

SSP owns all the ‘street-side’ functions that are required to settle trades, process proceeds from trading, and maintain a correct stock record.

SSP is also responsible for maintaining and making changes to the Security Master system, which is the “glossary” of all the securities held on the system.

BETA maintains and updates the security master, which is shared amongst all Thomson Reuter client firms

Other related departments are also maintained by SSP

* Provides application software development services or technical support typically in a defined project
* Develops program logic for new applications or analyzes and modifies logic in existing applications.
* Codes, tests, debugs, documents, implements and maintains software applications.
* Maintains, tests and integrates application components.
* Ensures that system improvements are successfully implemented.
* Demonstrates an understanding of SSP systems and the financial services industry.
* Analyzes requirements, and translates business requirements into product designs.
* Writes technical specifications and other forms of documentation.
* Suggests technical alternatives and improves/streamlines processes and systems.
* Completes project assignments and special projects commensurate with job expectations.
* Conducts planning, analysis and forecasting activities to plan projects and tasks.
* Provide leadership and/or guidance to other technical professionals.

Environment: IBM Mainframe, MVS, COBOL, CICS, DB2, JCL, PLATINUM, EXPEDITOR, FILE-AID and PANVALET

## Syntel Inc (Client: Humana) October 2009 – Aug 2015

*Application Developer, Business Analyst, Offshore Coordinator*

SG New Business Quoting

The new business quoting systems allows brokers and internal associates to generate a proposal that contain benefits and rates using a series of web based screens.

SG Alternate Quoting

Alternate quotes are automatically produced for small groups that are undergoing a renewal. The system generates a PDF and Excel proposal containing products that are intended to show logical replacements for groups’ current coverage(s).

* Migration of CICS programs from TSQ’s to container channel technology in WSDL environment.
* Froze the business requirements and worked on the 2nd level estimates.
* Analyzed the scope of the project and prepared consolidated documents catering to specific requirements.
* Identified systems, interfaces, and components that would be impacted.
* Work on the final level estimation of the project.
* Developed code as per new project requirement.
* Breakdown the task into individual assignments for distribution purpose and identify the changes within each component.
* Unit test planning and preparation of test data that covers all the impacts.
* Carried out load and regression testing on high volume of data for batch/online applications.
* Support integration/UAT testing with connected applications.
* Ensure successful implementation of the changes.
* Provide technical support in test, QA & production environment until the warranty period.
* Track SLAs to ensure timely resolution of issues within agreed turnaround time.

Environment: IBM Mainframe, MVS, COBOL, CICS, DB2, JCL, PLATINUM, EXPEDITOR, FILE-AID and PANVALET

**CapGemini India PVT LTD (Client: Discover Financial Services)**

 **September 2007 – October 2009**

*Mainframe Developer*

* Execute the run preparation tasks.
* Analysis and resolution/escalation of the issues encountered during a run. For issues, which cannot be resolved by the offshore team, the team will work with the PA teams and the application teams to resolve the issues.
* Execute environment refresh process on demand.
* Ad hoc requests.
* Preparation of region build document.
* Analyzing the changes need to be done for complying with PA standards.
* Conversion jobs to convert the production components to PA standards.
* Analysis of project being tested in the environment.
* Planning, executing and monitoring UAT batch.
* Resolving issues.
* Writing jobs in JCL and programs in COBOL.
* Coding modules as per client request.
* Handling daily status calls with the client.
* Training freshers on various tasks related to work.

Environment:IBM Mainframe, COBOL, CICS, DB2, JCL, VSAM, and NDVR

**CapGemini India PVT LTD (Client: AXA-NSE) January 2007 – September 2007**

*TEAM MEMBER*

* Contribute to the design of SPD for new COBOL modules.
* Develop new and enhance existing COBOL modules.
* Prepared test data and test plans. Unit tested then validated changes made and Integration tested.
* Peer reviews of the modules developed by team members.

Environment: MVS, COBOL, JCL, DB2, FILE-AID, EXPEDITOR, PLATINIUM, Test Director, Natural (Screen)

# EDUCATION

Bachelor of Engineering (Mechanical), Amravati University, India, June 2004

# CERTIFICATIONS

Mainframe application programming

# PROFESSIONAL DEVELOPMENT

SMART AWARDS FOR (2 times)

* Exceptional team management
* Client handling techniques
* Contribution towards getting Humana rating services to a reliable state
* Launch of exchanges for quoting