MASUM IKBAL

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Result-oriented professional, target challenging assignments as a Senior Software Developer in IT Industry.

PROFILE SUMMARY

- Showcasing a track record of **over 5 years** in Software Development, particularly excelling in back-end applications within the IT industry.
- Actively driving the development of the Tata Neu App as a Senior Digital Engineer at Tata Digital, enhancing the customer shopping experience.
- Proficient in designing and developing scalable back-end applications using Java, Spring Boot, Kotlin, and various databases including Azure Cosmos DB, and Postgres DB. Skilled in utilizing Azure, Git, Junit, and Jira for efficient software development and project management.
- Managing the Golden Record (GR) and Single Sign On (SSO) core back-end team at Tata Digital, gathering requirements, and developing APIs for the Tata Brands Customer's Personal Information Identity (PII) data, while also leading the development of REST APIs and implementing the referral feature in the TATA NEU app.
- Exposure of working on projects of various lengths and complexity and achieved proficiency in managing the given task and consistently delivered high quality of work.

CORE COMPENTENCIES

~ Application Software Development ~ Coding ~ Backend Development   ~ Agile/Scrum Methodologies ~Unit Testing ~ Incident Resolution Documentation ~Database Management ~ Micro Service Architecture

WORK EXPERIENCE

Tata Digital, Mumbai, India | 2020-Present
Growth path: Senior Digital Engineer | 2022-Present
                Digital Engineer | 2020 – 2022

Key result Areas :
- Participated in the core back-end team in Golden Record (GR), responsible for creating and managing customer's Personal Information Identity (PII) data.
- Contributed to the Qmin App, utilizing Azure Databricks and PySpark scripts to process data flows and execute ETL tasks for various food menu categories across the IHCL group.
- Designed and implemented the referral feature in the TATA NEU app, managing end-to-end tasks from freezing business requirements to making the feature live for users.
- Designed and developed Account Deletion feature in TataNeu App.
- Designed and delivered the Address Revamp feature in the TataNeu app, enhancing user experience and address management capabilities.

Achievement:

- Successfully completed Dremio migration project as part of cost optimization initiative which results in saving of 2.4 Crore annually.
- Implemented cross-partition to partition-based search in Azure Cosmos DB, improving API performance from 3-digit to 2-digit milliseconds and reducing cost by 20%.
- Implemented 4NL container strategy replacing brand-specific containers, resulting in a 10% cost reduction.
- Migrated from Azure EventHub to Confluent Kafka, achieving approximately 60% reduction in operational costs.
- Implemented log masking and sampling to reduce logging cost and eliminate PII from application logs.
- Developed a solution to prevent Gmail ID manipulation (dot, hyphen and plus addressing) as part of risk management efforts.
- Enabled secure access to Azure resources by integrating Managed Identity, removing the need for hardcoded credentials in applications.

TECHNICAL SKILL

- Java
- Spring Boot
- Kotlin
- SQL
- Azure
- GIT
- Junit
- JIRA
- YouTrack
- REST APIs
- Microservices
- Redis
- NoSQL
- Azure Cosmos DB
- Postgres DB
- OpenAPI
- Apache Kafka
- CheckMarx

EDUCATION

- Bachelor of Engineering in Electronics and Telecomm Engineering from Jadavpur University, Jadavpur, Kolkata in April 2020.
- Higher Secondary Education from Maharaja Cossmibazar Polytechnic School, Shyambazar, Kolkata in April 2015.

CERTIFICATIONS

- The Complete Java Certification Course from Udemy in Dec 2021.
- Learn Java Unit Testing with Junit & Mockito in 30 Steps from Udemy in Sep 2021
- Microsoft Certified : Azure Fundamentals in Aug 2025
- Microsoft Certified: Azure AI Fundamentals in Sep 2025

PERSONAL DETAILS

- **Date of Birth:** 2nd May 1997.
- **Languages Known:** English, Hindi, Bengali