**MANVI KISHORE**

+1-260-418-9090 | manvi.kishore07@gmail.com | linkedin.com/in/manvikishore

**SKILLS**

* **Languages:** C#, .NET, Python, Java 17, JavaScript, SQL, ReactJS, NodeJS
* **Data Management and Cloud:** MySQL, NoSQL (MongoDB), Apache Hadoop (HDFS, MapReduce), Apache Spark, Apache Storm, Apache Hive (ORC/Parquet formats), AWS (EC2, S3, RDS, Redshift, EMR, Lambda), Kubernetes, Grafana
* **Technology and Frameworks:** .NET, ASP.NET, C#, Spring Boot, REST API, Maven, Microservices Architecture, Object -Oriented Design, Express, Redux
* **Testing and CI CD:** Mocha, Cypress, SonarQube, JUnit, TDD, Git, GitHub, TeamCity, Jenkins, JIRA, Agile

**EXPERIENCE**

**Deutsche Bank** January 2023 - July 2023

*Senior Software Engineer*

* Achieved a 65% reduction in execution time by redesigning and optimizing Java based ETL microservice applying predicate pushdown, partition pruning, broadcast joins, and caching within spark cluster
* Improved maintainability and readability by refactoring legacy Java codebase using SOLID principles, DTO patterns, Lombok, MapStruct, and Java Streams, emphasizing maintainable microservices.
* Mentored junior developer and improved code quality by conducting peer code reviews and promoting TDD and clean code practices

**Deutsche Bank** August 2020 - December 2022

*Software Engineer*

* Reduced SLA breach penalties by 25% by developing and deploying the Almanac microservice using Java 17, Spring Boot, and MongoDB
* Saved multimillion -dollar penalties by establishing the Almanac service as a core component of the regulatory data ecosystem
* Enabled regulatory reporting for ingesting JSON loan data by architecting a Java -based ETL microservice with Hadoop, Spark, Jackson, and Log4j
* Improved observability by building REST APIs with Spring MVC and exposing system metrics via Prometheus and Grafana
* Built Hive -based automation to convert data to ORC format using J2EE and pySpark, saving over 7 man -days per cycle
* Created automated unit/integration test suites using Junit 5, Mockito, and Spring Test
* Used Singleton and Factory design patterns to improve processing speed and code modularity
* Integrated microservices into Apache Storm for real -time resolution, supporting 15,000+ feeds
* Implemented Kerberos-based auth and OAuth2 in microservice mesh

**EDUCATION**

Purdue University | MS, Computer Science, GPA: 4.0/4.0 August 2023 - May 2025

Motilal Nehru National Institute of Technology | BTech, Computer Science, GPA: 3.25/4.0 July 2016 - June 2020

**PROJECTS**

**AWS ETL Pipeline for HTAP Database Comparison - Thesis – August 2024 - April 2025**

* Developed an AWS ETL pipeline using Redshift, RDS, EMR, and S3 to compare HTAP (TiDB) with traditional ETL methods
* Created PySpark scripts to transform CSV/JSON data for Redshift ingestion via EMR cluster
* Examined real -time transactional ingestion versus conventional ETL workflows for analytical workloads
* Benchmarked TPC -H and SSB to assess query performance and schema impact

**ASP.NET Core MVC Web Application with Entity Framework – June 2024 - August 2024**

* Developed a web application using ASP.NET Core MVC, C#, and Entity Framework Core for data access.
* Implemented RESTful APIs using ASP.NET Core Web API for creating, reading, updating, and deleting data.
* Designed and implemented a user authentication and authorization system using ASP.NET Core Identity.
* Utilized dependency injection and implemented unit tests with xUnit and Moq to ensure code quality and maintainability.

**HONORS AND AWARDS**

* Defended and published master's thesis, DOI: https://doi.org/10.25394/PGS.28908275.v1
* Nominated for Top 50 students 2025 at Purdue University
* Research paper under review at DEXA 2025 - International Conference on Database and Expert Systems Applications
* Received Employee Recognition Award at Deutsche Bank, 2022