

JAY SHUKLA

437 799 9618 | shukla.j@northeastern.edu | [LinkedIn](#) | [GitHub](#) | Toronto, ON

Professional Summary

Innovative Information Systems professional with hands-on experience in software development, API integrations, and microservice architectures. Proficient in cloud technologies, agile development methodologies, and customer-focused solutions. Adept at creating impactful systems that drive efficiency and enhance user experiences. Seeking a role in Technology Solutions to contribute to strategic innovations.

Skills

Programming Languages and Databases: Python, SQL, Java, Scala, JavaScript, MySQL, PostgreSQL, Oracle DB, SQL Server

API Development and Integration: REST APIs, Microservices Architecture, Kafka, JSON, XML

Cloud Technologies and Tools: AWS, MS Azure, Docker, Kubernetes, Data Factory, Databricks, Cosmos DB, Azure Data Lake Storage Gen2

Big Data Frameworks: Hadoop, Spark-Scala, Pyspark, Hive, Kafka, HDFS, Sqoop, Airflow

Other Skills: ETL/ELT, Data Warehousing, PowerBI, Anaconda, VS Code, GitHub, PowerShell, Bash

Experience

Intact Insurance	Toronto, Canada
Software Engineer Intern	04/2023 - 8/2023
<ul style="list-style-type: none">Led the migration of projects to a microservice architecture, achieving a 68% improvement in efficiency and a 40% enhancement in code manageability.Optimized pages for SEO and loading speed, resulting in a 25% boost in page rankings and a 10% increase in site traffic.Developed and deployed REST APIs to support new integrations, enhancing system interoperability and supporting real-time data processing.Gained hands-on experience with Agile methodologies, actively participating in daily standups, code reviews, and sprint planning sessions.Utilized tools like JIRA and Confluence to track tasks, manage bugs, and ensure seamless project progress within an Agile pipeline.	

Emipro Technologies Private Limited	
Data Engineer Associate	01/2022 - 12/2022
<ul style="list-style-type: none">Maintained data pipeline up-time of 99.06% while ingesting streaming and transactional data across different primary data sources using Spark, Azure Data Factory, Data Lake Storage Gen2, Blob Storage, Azure SQL Database, and Python.Automated ETL processes across millions of rows of data, which reduced manual workload by 29% monthly.Ingested data from disparate data sources using a combination of SQL, Event Hub, and Azure Stream Analytics using Python to create data views to be used in PowerBI.Created monitoring alerts for data pipelines that improved the uptime of the network by 17% year over year.	

Qubole Technologies LLC.	
Junior Software Developer	01/2021 - 12/2021
<ul style="list-style-type: none">Conducted thorough testing and debugging, ensuring 100% compliance with W3C standards and cross-browser compatibility.Engineered a high-impact application with a robust backend architecture, facilitating the conversion of diverse file formats into PDF and their seamless merging, achieving an impressive one million downloads.Integrated new features into Qubole CMIS, an inventory management system, resulting in a substantial 30% reduction in system complexity.Optimized pages for SEO and loading speed to improve user experience and search visibility.Designed and implemented a live location shipment tracking application for Network Global Logistics.Website: https://www.qubole.com/	

Education

Northeastern University	Toronto, ON, Canada
Master of Science in Information Systems	01/2023 - 12/2024
Saurashtra University	Rajkot, India
Bachelor of Computer Application	04/2019 - 04/2022

Professional Achievement

Winner – Data for Good Hackathon organized by TELUS in association with city of Toronto.

Overview – Optimizing Traffic Flow and venue Access for Taylor Swift’s 2024 Toronto Concert

Programming Languages and Tools: Python, ArcGIS, QGIS, Uber Movement Tool, GeoPandas and Shapely