DEEPAK KUMAR

Web: [drake7.github.io](https://drake7.github.io/) - (778)928-2765 - [deepak.kumar7v@gmail.com](mailto:Deepak.kumar7v@gmail.com) - LinkedIn: [deepak-kumar-bir](https://www.linkedin.com/in/deepak-kumar-bir/) - GitHub: [drake7](https://github.com/drake7)

WORK EXPERIENCE

SRM Software Inc. Feb 2022 - current

*Software Development Engineer Vancouver, BC*

• Implemented **Groovy**-**Based** Compliance rules, pay rules in **WFM** for **Vancouver Coastal health,** ensuring Precise Schedule Adherence**.**

• Developed and customized a robust WFM system using **Spring, Kafka, AWS** overseeing data migration and forms creations for **Alberta Health Service**.

• Enhanced WFM tool features, such as an overtime form with user validation and calculation groups. Leading to **70% boost** in job scheduler performance.

• Replaced existing IVR system for AHS using **AWS Connect, WFM ION Api’s, Lambda, EC2 and S3 buckets.**

Bharti Airtel Nov 2020 - Feb 2022

*Software Engineer Gurugram, India*

• Integrated **Apple Watches** with Airtel's legacy system, enabling **e-SIM** functionality with Rio Translator. Implemented using **Spring MVC, Spring Security, JMS, JPA.**

• Developed Atom Batch Processor for bulk execution of user journeys, resulting in **1.4 million daily transactions** and a **78% productivity** boost for the Amdocs Ops Team.

• Integrated **Airtel's chatbot with WhatsApp** to provide user account and transaction details. Leveraged **NLP (Natural Language Processing) with Google Dialog Flow**.

• Automated test cases using JUnit, resulting in a **25% reduction** in testing time and improved software stability.

Amdocs Pvt. Ltd. July 2020- Nov 2020

*Software Engineer Gurugram, India*

• Implemented **transaction management** for the **U Market Project**, removing the one-time password requirement for the minimum amount for vendors.

• Upgraded spring dependencies and addressed **vulnerabilities** to migrate the system to a secured version.

• Collaborated with cross-functional teams to enhance the performance and scalability of the billing system, resulting in improved efficiency.

Torry Harris Business Solution (Bharti Airtel) July 2017- July 2020

*Associate Software Engineer Gurugram, India*

• Order Management System: Divided into submodules, implemented persistence, decomposition, and integration with external systems using **Spring MVC, AOP, JMS, Drools, FTL, XSLT.**

• JMS to WS: Developed module for **HTTP-JMS communication**, parsing XML to JSON, and interacting with external APIs using Spring Boot, JMS, FTL, XSLT.

• Channel Island: Developed **Order Manager segment for London-based** customers using Spring MVC, AOP, JMS, Drools, FTL, XSLT.

• Web Service for OTM: **Developed Rest API**s, transformed Monolithic Architecture to Microservices, improving performance using Spring Boot, Rest, Swagger, Logging.

• Built segment of **Order Manager for BT** customers using Spring MVC, AOP, JMS, Drools, FTL, XSLT.

• Developed Rest APIs, enabling incremental changes and improving performance **for Amdocs Operation Team UI, using Spring Boot, Rest, Swagger, Logging**.

PROJECTS

• Care IO - Developer platform for Household maintenance using **React JS, Spring Boot, and MySQL**, and deployed it on **AWS** for reliable and scalable infrastructure.

• Employee Management System - Developed a machine learning model using **Python and various libraries using scikit-learn, pandas, NumPy** to predict employee attrition.

• Amazon Review Sentiment Analysis - Created a Python-based machine learning model for **sentiment analysis** on Amazon product reviews using **NLP, BoW.**

• Truck Flow - Developed an **Android** truck freight app for efficient logistics management, featuring **chat, email, and real-time location tracking**.

SKILLS

Languages Java, Spring Boot, Microservices, Python(scikit-learn), Oracle DB, SQL, Mongo DB

Web Technologies Node.js, React JS, JavaScript, HTML, CSS

Tools/Frameworks AWS (Lambda, S3, CDK, DynamoDB, EBS, EC2, RDS), CI/CD, Git, Kafka, Solace, Docker, Kubernetes, ELK, Junit, Mockito, Terraflow

EDUCATION

Douglas College, New West Minster Jan 2022 - Dec 2023

PBD in Emerging Technology

Guru Nanak Dev University, Jalandhar July 2013 - July 2017

B. Tech in Computer Science & Engineering