Kushal Jain

Software Engineer

A versatile technologist with a passion for crafting user-friendly web interfaces, problem solving, and managing data efficiently. Let's turn your tech goals into reality together!

✉ jainkushal0110@gmail.com

📍 Chennai, India

in linkedin.com/in/kushaljain1999

📱 +91 9560820256

🖳 professor9999.github.io/portfolio/

○ github.com/professor9999

SKILLS

| Javascript | SQL | Scala | Azure | Apache Spark | Jenkins | DSA | NodeJS | MongoDB | Python | Git |
| HTML/CSS | C/C++ | RESTful API | React | Java |

WORK EXPERIENCE

Software Development Engineer
Optum (UHG)

06/2022 – Present   *Chennai, India*

- Implemented data pipelines and automation using Azure Data Factory (ADF) to streamline and schedule data processing tasks, **improved data processing efficiency by 30%** .
- Designed and maintained data pipelines to automate the extraction, transformation, and loading of raw healthcare data in FHIR format, seamlessly processing **10,000 records per day.**
- Collaborated closely with the frontend team to facilitate the implementation of Power BI using SQL queries and data dictionaries.
- Implemented Azure Blob Storage to manage data storage, ensuring 100% data integrity and availability, resulting in streamlined data management processes and improved operational efficiency.
- **Developed ETL processes using Apache Spark with SQL and Scala, processing approx. 5 TB data** for data extractions, transformation, and loading.

Software Engineering Intern
Optum (UHG)

01/2022 – 05/2022   *Chennai, India*

- Enhanced infrastructure as code (IAC) projects using Terraform to automate AWS resource provisioning; **introduced a premium feature enabling daily extracts for pre-existing clients, resulting in a 20% increase in revenue growth.**
- Extensively worked with various AWS services, including S3 for object storage, Lambda for serverless functions, Step Functions for orchestration, CloudWatch, Athena for querying data in S3, and SNS/SQS for event-driven architecture.
- Orchestrated Jenkins for continuous integration and continuous delivery (CI/CD) pipelines, automating software builds, testing, and deployment, while also modifying requisite Groovy scripts to meet project requirements.
- Played a crucial role in enhancing code coverage for existing ETL (Extract, Transform, Load) scripts, significantly improving their quality and reliability, with **code coverage boosted to 80%.**

PERSONAL PROJECTS

Imagix
- Developed a dynamic freelance photo hosting website with public viewing, reviews, and user authentication; leveraged Bootstrap, Font Awesome, and the MERN stack to create a responsive design with enhanced user experience and engagement.

Boss Puzzle
- Built using the backtracking algorithm, it determines solvability and finds the optimal solution for arranging numbers numerically on a 4*4 grid. The numbers, ranging from 0 to 15, can be manipulated by swapping with the empty cell (represented by 0), similar to the mechanics of a slider puzzle.

EDUCATION

B. Tech in Computer Science
VIT University, Vellore

07/2018 – 05/2022   *CGPA – 8.75*