



# 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!

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## 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