

Rishi Kashyap

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• <https://www.github.com/incarnate87>

PROFESSIONAL EXPERIENCE

Senior Software Engineer

Jul '22 - Present

Informatica | Bengaluru, Karnataka

- Working on Master Data Management project to maintain a golden record of each entity by matching and merging multiple records obtained from different data sources into one. Tech stack involved is Java, Scala, Apache Spark, MongoDB, AWS.
- Modified existing record reset job feature design to get significant improvement of run time 10 minutes from earlier 30 minutes for big datasets of around 1 million records by eliminating usage of RDD structure and directly using Mongo commands from driver.
- Enhanced existing record matching job code to consider user edits on records from UI or API for next match job cycle which was earlier ignored, significantly increasing the scope and accuracy of the record matching process outcome.
- Worked on feature allowing records belonging to a distinct source system to not match with each other as per user requirement by utilizing Graph related algorithms. Decreased run time of such job by around 40% through introduction of conditional spawning of spark driver.
- Successfully resolved multiple bugs in production environment by identifying and correcting the root cause in assigned time frame. Added end to end automation tests for the same to prevent regression.

Software Engineer 1

Nov '21 - Jul '22

Elsevier | Bengaluru, Karnataka

- Software development for HESI project, a supporting academic platform for nursing aspirants to successfully clear the NCLEX-RN exam. Tech stack involved was C#, .NET, AWS, Microsoft SQL Server, JavaScript.
- Analysed several window services and prepared detailed flow diagrams for the same to identify and reduce dependencies on other components and help in migration of legacy service code, resulting in the shift of almost 10 tasks inside microservices to serverless architecture.
- Migrated several microservice tasks from existing server to AWS Lambda serverless architecture to improve overall performance and speed by almost 30%.

Software Engineer

Apr '21 - Oct '21

Newgen Software | Noida, Uttar Pradesh

- Worked on ICICI Bank Retail Remittance Project's Business Process Automation.
- Resolved several client bugs reported during UAT involving mainly Java, JSP, Hibernate, MSSQL Server and JavaScript.

EDUCATION

Bachelor of Technology, Guru Gobind Singh Indraprastha University, New Delhi

Information Technology, 9.1 GPA

KEY SKILLS

Java, Springboot, Scala, Ubuntu, Docker, Jenkins, MongoDB, SQL, Kubernetes, AWS, C++, HTML5, CSS3, JavaScript, Python, C#, .NET, Git

PROJECTS

- **Developed an Attendance Marking App to automate attendance tracking process**

A Tkinter GUI based Python application which marks attendance of individuals automatically by detecting their liveness through a webcam. Tries to eliminate the chances of fake attendance getting recorded in system. Uses Support Vector Machine and Haar cascade algorithms for training and detection, XAMPP for storing attendance reports in SQL database.

- **Designed and implemented a note-taking feature to improve productivity**

A notes keeping web app using JavaScript that utilizes the local storage of the user's device to store the entered data.

https://incarnate87.github.io/Keep_notes/

- **Created a Compression Decompression Simulation tool to aid in data analysis and storage optimization**

A project using Node.js to perform actions like - viewing structure of a directory (flat file and tree views), copying the entire directory structure into a JSON file, and recreating that file structure in an empty folder. <https://github.com/incarnate87/CompressDecompress>

CERTIFICATIONS

- **Data Science Methodology** <https://www.coursera.org/account/accomplishments/verify/FE5QVXVKNPUN>
- **SQL and Relational Databases** <https://courses.cognitiveclass.ai/certificates/2cc0f59c17c54457ae026d7c1b5d49b7>