

# Rahul Sheelavantar Software Engineer

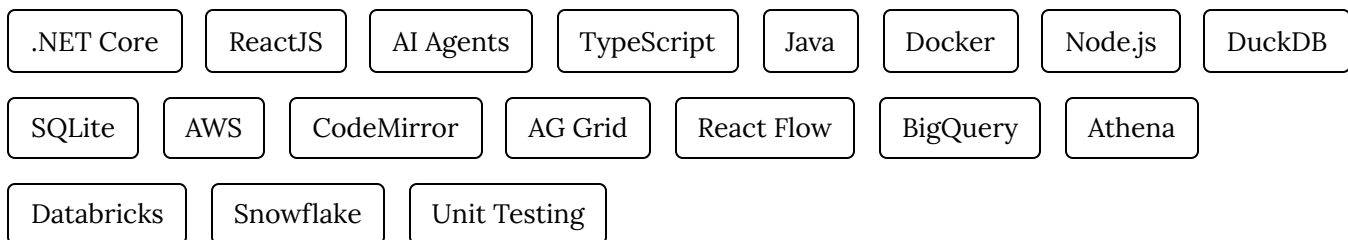
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## SUMMARY

Software Engineer with 3+ years of experience building workflow automation platforms, scalable backend systems, and polished front-end applications. Strong in .NET Core, ReactJS, and TypeScript, with deep hands-on expertise in integrating large-scale data platforms such as BigQuery, Athena, Databricks, DuckDB, and Snowflake. **Designed and delivered AI Agents and GenAI-driven automation** to enhance workflow intelligence, automate decision-making, and create autonomous execution paths. Experienced in architecting dynamic and extensible systems, optimizing performance, reducing build and runtime costs, and creating clean, maintainable UI and backend components. Skilled in writing complex SQL, building data transformation pipelines, and improving operational transparency with lineage and analytics. Known for improving developer efficiency, delivering reliable and practical engineering solutions, and consistently applying strong engineering principles to solve real-world problems with high impact.

## SKILLS



## Certificates

**Full stack web development**   
2160 Hours of practical training

**Programming in java**   
Completed the course in NIIT in Feb-2020

**General course on Intellectual property**   
Certified by WIPO Academy

**Cambridge business english certification**   
Completed the course with merit,  
Council of Europe Level B1

## EXPERIENCE

**Software Engineer**, Noesys Software

06/2023 – Present  
Bengaluru

- **Reduced build time by 60% and project size by 90%**, significantly improving deployment cycles and developer productivity.
- **Optimized workflow execution using Apache Arrow**, reducing memory footprint by 40% and accelerating large-scale data processing.
- **Built AI Agents and integrated GenAI capabilities** to automate decision-making across multiple client projects, enabling intelligent and autonomous workflows.
- **Architected a dynamic workflow execution framework** using reflection and dependency injection, allowing tasks to be added via assemblies without code changes.
- **Led and mentored a team of 4 engineers** to integrate DuckDB-based data transformations into the workflow engine.
- **Developed a complete workflow automation platform** using .NET Core, ReactJS, and TypeScript with integrations to BigQuery, Athena, Databricks, DuckDB, and Snowflake.

- **Implemented full data lineage tracking and workflow transparency**, improving auditing, debugging, and operational observability.
- **Designed and maintained Docker-based microservices**, ensuring scalable, modular, and maintainable deployment architecture.
- **Introduced ML.NET *et* transformation pipelines**, enabling machine-learning-ready data preparation inside workflows.
- **Built advanced UI components** using CodeMirror, AG Grid, React Flow, and dynamic task-driven UI modules that auto-render based on available assemblies.
- **Integrated Apache ECharts** for high-quality interactive visualizations across analytics and workflow dashboards.
- **Contributed to SQL parsing and table extraction using ANTLR**, supporting multi-database dialects and improving SQL intelligence within the platform.
- **Possess strong expertise in SQL**, including writing complex queries, optimizing performance, and implementing advanced SQL logic across multiple database engines.
- **Implemented SQL-driven data transformations and processing pipelines**, enabling efficient querying, data preparation, and analysis within the workflow platform.

Contact: Naresh Jois [naresh@noesyssoftware.com](mailto:naresh@noesyssoftware.com)

## AWARDS

**Budding Performer of the Year**, Noesys Software  
2024

**2nd Runner-up - Drone Building Event**  
2019

## EDUCATION

**Full Stack Web Development**, Masai School  
2022 – 2023 | Bengaluru

**B.E. Mechanical Engineering**,  
Gogte Institute of Technology  
2016 – 2020 | Belagavi

## LANGUAGES

English

Kannada

Hindi

## INTERESTS

Formula 1

Sudoku

Rubik's Cube