

Rahul Sheelavantar

Software Engineer

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SUMMARY

Software Engineer with 3 years of experience building workflow automation systems and scalable applications. Strong in .NET Core, ReactJS, TypeScript, and data integrations across BigQuery, Athena, Databricks, **DuckDB**, and Snowflake. Built **AI Agents** and added **GenAI**-driven automation to improve decision-making in workflows. Experience includes optimizing performance, creating dynamic and extensible architectures, and building clean, reliable UI and backend components. Focused on writing clean code, improving developer efficiency, and delivering practical engineering solutions.

EXPERIENCE

Software Engineer , <i>Noesys Software</i>	06/2023 – Present Bengaluru
<ul style="list-style-type: none">• 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 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.	

EDUCATION

Full Stack Web Development , <i>Masai School</i>	2022 – 2023
B.E. Mechanical Engineering , <i>Gogte Institute of Technology</i>	2016 – 2020

SKILLS

- | | |
|--------------|----------------|
| • .NET Core | • ReactJS |
| • TypeScript | • Java |
| • Docker | • Node.js |
| • DuckDB | • SQLite |
| • CodeMirror | • AG Grid |
| • React Flow | • BigQuery |
| • Athena | • Databricks |
| • Snowflake | • Unit Testing |

LANGUAGES

- | | | |
|-----------|-----------|---------|
| • English | • Kannada | • Hindi |
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INTERESTS

- | | | |
|-------------|----------|----------------|
| • Formula 1 | • Sudoku | • Rubik's Cube |
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AWARDS

Budding Performer of the Year , <i>Noesys Software</i>	2024
2nd Runner-up - Drone Building Event	