

# SAHIL ARYA

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## Experience

### Polestar Analytics

November 2023 – Present

*Software Engineer (Analyst)*

*Noida, India*

- Building **1Platform**, a B2B analytics SaaS platform for managing ETL transformations and hierarchical data using **React.js**, **Node.js**, and **PostgreSQL**; collaborated with cross-functional teams working on **Python** and **Azure**-based data services.
- Built core modules (Masters, Pipelines, Data Lake, Entity, Approval Workflow, Data Model, Execution Logs) for 1Platform, enabling data engineers to create ETL transformation pipelines, reducing processing time by at least **25%**.
- Refactored state management in 1Platform from prop drilling to **Redux**, improving code maintainability across **12** components.
- Designed and implemented **Process Automation** data module using **LLM models** to extract and transform data from documents (PDFs, emails, reports) into queryable structured formats.
- Boosted API performance by almost **30%** (600ms → 420ms) via **server-side pagination** and **lazy loading**:
  - \* Reduced network payload from **2MB** to **20KB/page** for Delta Lake queries in Fabric.
  - \* Integrated **paginated REST APIs**, cutting network transfer by almost **90%**, ensuring smooth rendering of large datasets.
- Delivered tailored PoCs for clients including **Knipper**, **BDS**, **Zydus**, **Insigneo** and more.

### DOB Publication

June 2022 – August 2022

*Software Engineer (Intern)*

*Delhi, India*

- Developed an E-commerce platform from scratch using **Next.js** (frontend), **PHP** (backend), and **MySQL** (database management via phpMyAdmin).
- Integrated **Razorpay payment gateway** for seamless transactions, increasing successful payment conversions.
- Created a custom **admin panel** to manage inventory, orders, and user data, improving operational efficiency.

## Projects

MDM(Link) | *React.js, Node.js, SQL, Chart.js*

- **Functionalities:** Hierarchical data management, Masters creations, Taxonomy, Approval Workflow, User Management

Wormhole(Link) | *React.js, Node.js, SQL, PrimeReact, Ant-design*

- **Functionalities:** Multiple Datasource Connections, Data Transfer Pipelines, Process Automation, License allotment, User Management, Schedulers

## Skills

**Languages:** C++, HTML, JavaScript/TypeScript, PHP, SQL

**Libraries and Frameworks:** React.js, Node.js, Ant-designs, Chart.js, PrimeReact, Modular SCSS,

**Developer Tools:** Azure Boards, Jira, VS Code, Eclipse, Sublime Text, Github, phpMyAdmin.

**Concepts:** Data Structures and Algorithms, Object Oriented Programming, DBMS, LLD.

**Soft Skills:** Leadership, On-boarding, Problem Solving, Good Communication, Time Management

## Education

**Maharaja Agrasen Institute of Technology**

August 2019 - June 2023

*Bachelor of Technology in Computer Science (CGPA: 8.50/10)*

*Delhi, India*

## Achievements

Awarded **Quarterly Impact Award - Dashing Debut** at Polestar.

Received **Appreciation Certificate** for developing high-quality asset **ProfitPulse** that improved financial analytics for clients.

Global rank - 2421 and Indian rank - 830 at Google Hashcode 2022.

AIR **1214** in CodeKaze 2022 by CodeStudio.

Solved **300+** DSA problems on **LeetCode** and **CodeStudio** and **CodeChef**.