

# Ayaz Mirza

*Senior Consultant*

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## PROFILE

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Data Engineer with 5+ years of experience in designing, building, and optimizing high-volume ETL pipelines using Ab Initio and SQL. Skilled in automation with Shell scripting and Ansible, data visualization with Power BI, and leveraging Google Cloud Platform (GCP) & AWS for scalable cloud-based solutions. Strong background in troubleshooting performance issues, ensuring data quality, and delivering efficient, reliable data workflows.

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## PROFESSIONAL EXPERIENCE

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### Wipro Limited

*Senior Consultant | Ab Initio ETL · SQL · Data Engineering · Cloud*

11/2019 – present

Greater Noida, India

#### Data Engineering & ETL Pipeline Management

- Designed and optimized **Ab Initio ETL workflows** for client data processing (transformation, cleansing, enrichment).
- Developed **parameterized ETL graphs** and scheduled jobs through **Control Center**, improving automation and reliability.
- Hands-on with key **Ab Initio components**: Rollup, Scan, Join, Partition by Key/Round Robin, Gather, Merge, Interleave, Lookup, Reformat, Sort, Dedup.
- Built **SQL-based data validation/reconciliation** checks to ensure accuracy and quality across the pipeline.

#### Cloud & BI Integration

- Exposure to **cloud environments** : **Google Cloud Platform** (Terraform, Compute Engine, Load Balancing, Generative AI labs) and **Amazon Web Services**(AWS EC2) for cloud-native workflows.
- Experience with developing dashboards using **Power BI**

#### Automation & Infrastructure as Code (IaC)

- Automated ETL job monitoring using **UNIX shell scripting**, reducing manual intervention by 50% and improving operational efficiency by 30%.
- Developed **Ansible playbooks** for server configuration, task automation, and process orchestration.

#### CI/CD & Scheduling

- Automated ETL workflow deployments, integrated into CI/CD pipelines.
- Configured automatic job execution and **restart/recovery scripts** using shell + Ansible.
- Experience with **Control Center scheduling**.

#### Monitoring & Troubleshooting

- Configured **Grafana dashboards** to monitor ETL job performance, system metrics, and logs.
- Performed **troubleshooting** of ETL workflows to reduce failures and optimize runtime.

## **Leadership & Collaboration**

- Acted as **L2 ETL & DevOps Engineer**, mentoring L1 team members and ensuring smooth troubleshooting and issue resolution.
- Collaborated with **cross-functional teams** (DevOps, data engineering, cloud architects) to enhance ETL infrastructure and streamline deployments.
- Contributed to **design documentation (HLD/LLD)** and supported **Unit/System/UAT testing** phases with stakeholders.

## **Cosmo Info Solutions**

06/2019 – 10/2019

Lucknow, India

### *Frontend web developer*

- Skilled frontend developer proficient in HTML, CSS, JavaScript, and ReactJS.
- Experienced in designing eye-catching landing pages to boost user interaction.
- Expert at creating user-friendly interfaces that adapt seamlessly across devices.
- Committed to achieving polished designs and staying updated with web development trends.

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## **SKILLS**

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|----------------------|-----------------------------|-----------------------------|
| • Ab Initio ETL tool | • PostgreSQL   SQL   PL/SQL | • Shell scripting           |
| • Ansible            | • Google Cloud Platform     | • Amazon Web Services (AWS) |
| • Power BI           | • HTML   CSS   Javascript   | • ReactJS                   |
| • Git   Github       | • Grafana                   |                             |

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## **EDUCATION**

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### **A. P. J. Abdul Kalam Technical University**

05/2015 – 05/2019

*Bachelor of Technology*

Lucknow, India

### **Lucknow Public School**

04/2014 – 04/2015

*Senior Secondary Education (12th)*

Lucknow, India

### **Stella Maris Convent**

03/2012 – 03/2013

*High School Education (10th)*

Sultanpur, India

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## **PROJECTS**

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### **System metrics monitoring script** ↗

Tech stack used : Shell, Postgresql, Unix commands

Create a unix system metrics monitoring script using my shell scripting skills and logged the data to a postgres database hosted on render.com.

### **Personal Portfolio** ↗

Tech stack used : HTML, CSS, Javascript, ReactJS

Developed my personal portfolio website using reactjs.

### **Unix bot** ↗

AI tool which helps in crafting shell commands

### **QuerySmith** ↗

AI tool to generate SQL queries

### **Gen-a-mail** ↗

Email generation AI tool

### **Devops script Generator** ↗

AI tool to generate infrastructure as code scripts for Docker, Terraform and Ansible

### **EC2 Manager TUI** ↗

A CLI tool to manage EC2 instances. It uses the AWS SDK for Python to interact with the AWS API.

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## CERTIFICATES

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- Google Cloud Platform Associate Cloud Engineer Certification ↗
- Build Infrastructure with Terraform on Google ↗
- The Skills Challenge at Next 2025 ↗
- Implement Load Balancing on Compute Engine ↗
- Gen AI: Beyond the Chatbot ↗
- Set Up an App Dev Environment on Google Cloud ↗

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## AWARDS

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### **Best Individual in a Delivery Operations** ↗

Got Best Individual in a Delivery Operations award in my last project.

### **Best Delivery Support Function FY22 Telkomsel Team** ↗

Got Best Delivery Support Function FY22 Telkomsel in my last project.

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## INTERESTS

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Technology | Artificial Intelligence | Cricket | Badminton | Youtube | Social Media