

Gabil Aliyev

(+994) 70 530 3523 | gabil.e.aliyev@gmail.com | [linkedin.com/in/gabil-aliyev](https://www.linkedin.com/in/gabil-aliyev)

Experience

SOCAR Downstream Management - Process Engineer *July 2022 – Present*

- Awarded “Process Engineer of the Year 2023”
- Improved the material balance for Catalytic Reforming and Hydrogen Production Units with higher than 97% accuracy.
- Successfully completed the Start-up and Performance Guarantee Test Runs of Isomerisation and MTBE production units with “Honeywell UOP” with Reactor temperatures lower than design which almost doubles the proposed catalyst life.
- Simulated an Aspen Hysys model along with “McKinsey & Company” team to optimize pressure in a Catalytic Reforming stabilizer to reduce off-gas loss and maximize LPG recovery. Conducted Test-run that resulted in a significant annual cost savings of \$500,000.
- Implemented “Solomon Benchmarking” to assess the current performance of the refinery and improve efficiencies in fired heaters by 5%.
- Analysed and conducted a Root Cause Analysis for a hydrogen gas compressor trip in the Catalytic Reforming unit. Downtime frequency has been reduced to 1/year while maintaining design throughput after the cause is eliminated.

AGM Quality - Chemical Engineer *Oct 2021 – July 2022*

- Prepared an analytical plan for 2 separate companies in a 3-week period by arranging effective meetings with clients.
- Compiled and reviewed over 10 different sample analysis results and prepared a detailed report to the customer.

Education

Baku Higher Oil School – MSc in Oil and Gas Technology *Sep 2022 – June 2024*

Entrance point – 96/100 (Top 4 in the country)

GPA – 89/100 (Top 20% in the university)

Baku Higher Oil School – BSc in Chemical Engineering *Sep 2017 – June 2022*

Entrance point – 700/700 (Top 1 in the country)

GPA – 91.07/100 (Top 25% in the university)

Certifications

Aspen Hysys Certified Expert User – Aspen Technology

Advanced Distillation Certification: Optimization & Troubleshooting – IFP Training

Furnaces: Safe Operation & Optimization – IFP Training

Master Transfer Technology Program Completion – Technip Energies

Leadership – SOCAR Training and Education Department

Skills

Process Simulation: Aspen Hysys, Pro II

Software Proficiency: Microsoft Excel VBA, Python

Data analysis: Experienced in compiling and reviewing sample analysis results, preparing detailed reports

Leadership: Successfully led start-up and performance guarantee test runs, achieving significant cost savings

Languages: English – Proficient, Azerbaijani – Native, German, Russian – Basic