

CURTIS RUDER

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Skills

- Aspen HYSYS
- Git
- JSON
- SASS / SCSS
- VBA
- Aspen PIMS
- HTML
- LP Solve
- SQL
- Visual Studio
- C++
- HTTP
- MS Office
- SQLite
- Visual Studio Code
- C#
- Java
- MySQL
- Subversion
- XML
- CSS
- Javascript
- Oracle
- VB.Net

Experience

Baker & O'Brien - Houston, TX

2017 – current

Software Product Manager

2020 - current

- Product manager for commercial desktop application *PRISM™*
- Set software strategy, vision, and marketing objectives
- Interface directly with clients and business leaders to understand objectives and needs
- Develop and audit internal metrics for software quality and calibration productivity

Engineering Consultant

2019 - current

- Worked on multiple client projects leveraging experience and technical capabilities to delivery high quality work on time and on budget
- Leveraged self-developed LP framework on multiple 6 figure assignments
- Conducted market analysis on nearly all refining centers in the U.S.
- Developed IMO2020 predictive model and presented results at industry conference

Software Developer

2018 - current

- Lead developer on 85,000 line code base conversion from VB6 to VB.Net
- Migrated database backend from 32-bit Microsoft Access to SQLite
- Optimized runtime issues resulting in a nearly 80% runtime reduction
- Data entry automation using browser automation, API end points, and direct HTTP requests

Refinery Modeling Specialist

2017 - current

- Maintain and improve refinery process models for all 125 U.S. refineries
- Parse nearly 25,000 data points per quarter to create industry look back
- Interface with software subscribers to share industry insights
- Leveraged automation and self-created LP framework to eliminate 200 man-hours per month from the data calibration process

Flint Hills Resources - Corpus Christi, TX

2012 - 2017

E&P Planner

2015 - 2017

- Supported all gasoline blending activities and temporarily all distillate blending
- Identified and championed several multi-million-dollar optimization opportunities
- Calibrated LP yield profile for all conversion units and distillate hydrotreaters

Process Engineer / Equipment Strategy Engineer

2012 - 2015

- Aspen HYSYS site lead for process unit modeling
- Supported FCC, fixed bed alkylolation, coker, and HF alkylolation units
- Mentored four process engineers as temporary team lead

NCRA Refinery (CHS Inc) - McPherson, KS

2009 - 2012

Process Engineer

2009 - 2012

- Supported refinery crude and light ends units
- Lead overnight Process Engineer on major refinery turnaround

Education

Fort Hays State University

B.S. Computer Science (4.0 / 4.0)

2020 - 2022

Texas A&M – Corpus Christi

MBA Finance Concentration (3.9 / 4.0)

2016 - 2019

Kansas State University

B.S. Chemical Engineering (3.6 / 4.0)

2004 - 2009