me@ryanbrown.engineer **Ryan Brown** M: (678) 472-0321

Executive Summary:

- Proven and highly motivated construction management professional, with strong data analysis skills in both engineering and business applications
- 5+ years of direct O&G/Petrochemical experience in design engineering, fabrication, field engineering, technology, project controls, and project management positions.
- BS Mechanical Engineering graduate of Auburn University (*Cum Laude*)

Work Experience:

Project Manager – General Project/Covid-19 – Limetree Bay Refining/Complan USA, St. Croix USVI
Limetree Bay Restart Project (210kbpd Refinery Restart Project) | 3/2020 - Present

- Develop/Implement Covid-19 testing program for continuous testing of 3200+ contractor personnel from over 100 different contractor companies on a rolling 14 day basis. Summarize incoming data for USVI Department of Health and Executive Management. 28,000 tests as of 1/2021.
- Analyze contractor equipment invoices and contract terms to identify areas of inefficiency. Conduct negotiations to reduce costs without affecting productivity. Successfully recuperated 7 figures of payment credits and savings.
- Conduct daily morning meeting/briefing with executive management, directors, and project stakeholders. Maintain concise meeting agenda tracking KPIs and current action items

Project Manager – Pipe Cleaning - Limetree Bay Refining/Complan USA, St. Croix, USVI
Limetree Bay Restart Project (210kbpd Refinery Restart Project) | 7/2019 – 3/2020

- Direct management of two industrial cleaning contractor companies providing cleaning services of 50+ Process and Utility units idled 7+ years to restore 210kbpd of refining capacity (formerly Hovensa).
- Scope Development and strategic placement of resources to facilitate tight startup schedule/pre-commissioning activities, while also making bulk cleaning process for upcoming startup units.
- Primary cleaning methods included:
  - Hydrolazing/Hydroblasting
  - Targeted/Untargeted Continuous Steam Blows
  - Hydropigging/Froth Flushing
  - Chemical Cleaning
  - Traditional Pigging/Pig Trains
  - Hydrocarbon Line Steam Outs
  - Pop/Continuous Airblows/Drying
  - Boiler Degreasing

Field Engineer/Technology Manager – McDermott International, Port Arthur, TX,
Total EPC Project (Brownfield Ethane Cracker Project) | 12/2018 – 7/2019

- Responsible for overseeing implementation of all new technologies utilized for construction management/planning applications
- Reorganized 3D plant model information structure to be used efficiently in construction planning, incorporating engineering/fabrication/procurement/construction/testing/quality statuses directly into the model as working attributes
- Oversee implementation of Electronic Time Sheets (ETS) system that allows for real-time progressing and PF analytics for work packages down to the foreman level.
- Implementation of 3D cranes with lift-radii representations into 4D scheduling effort with Navisworks Timeliner
- Develop and maintain test package tracking database to assist construction planning with respect to hydrotesting/system turnover efforts
- Fly DJI Inspire II drone for weekly progress pictures and promotional videos

Piping/Mechanical Field Engineer – McDermott International, Westlake, LA

LACC – MEG-1 – Project (Greenfield Monoethylene Glycol Facility) | 3/2018 – 12/2018

- Work with Samsung Engineering through Requests for Information (RFIs) on any construction/design conflicts
- Responsible for construction turnover of Low Pressure Condensate, High Pressure Nitrogen, Reabsorber, MEG Product Tank, DEG column, and Drying Column systems. Ensure entire system is built to P&ID and to mechanical completion.
- General engineering consultation to field construction crews

**(All below positions were temporary assignments held within the CB&I CTP Rotational Development/Recent Graduate Program)*

Mechanical Engineer – CB&I Lummus Technology (Lummus Global), Bloomfield, NJ

Staff Engineer within Mechanical Engineering Division (MED) | 9/2017 – 3/2018

- Created Excel Macro code to iterate various calculations on spreadsheets to simulate various optimization design configurations for Beam/Support spans for CDAlky Reactor Bed
- Used AutoDesk Inventor modeling software to create 3D model and associated drawings of CDAlky reactor bed and other proprietary items. Developed training materials and conducted training of fundamentals of 3D modeling to senior engineering personnel
- Conducted preliminary study on effects of stresses within a ring gasket of a bimetallic RTJ flange set for various metals due to the rolling motion of the ring
- Completed ASME B&PV Code Section VIII Div 1 class (ASME EL501)

Project Manager – CB&I Island Park Fabrication Shop, Beaumont, TX

Project Manager for IPF's scope of Freeport LNG Piping | 5/2017 – 9/2017

- Coordinated workflow of over 1M welded Factor Diameter Inches (FDIs) across over 10,000 spools ranging in size from .5" to 72"+
- Worked with construction managers to consistently meet construction needs and priorities in terms of complete weld out, as well as particular spools needed
- Report weekly results to project directors and executive level management

Project Controls/Process Improvement Engineer – CB&I Island Park Fabrication Shop, Beaumont, TX

Subcontracts Project Controls and Process Improvement rolls at IPF | 2/2017 – 5/2017

- Coordinated subcontracts bidding process using cost benefit analysis
- Used historical weather data to successfully justify multimillion dollar Capex project for covered shipping facility to allow for work to continue during otherwise lost time due to inclement weather
- Conducted time studies to identify receiving/allocation lost time activities and implemented solutions to common lost time problems

Piping Field Engineer – CB&I, Delta, PA

Calpine York II Energy Center (Greenfield Combined Cycle Power Plant) | 7/2016 – 2/2017

- Revised/Automated the work package creation process to reduce creation time by 90%
- Merged supplier databases, model database, and drawing information to highlight availability of spools for construction planning
- Developed visual aids from 3D piping model for explaining the combined cycle process and to assist construction personnel with installation of piping

Education:

Auburn University – BS Mechanical Engineering, Business Minor, *Cum Laude*