

Chris Galliano II

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PROFESSIONAL SUMMARY

Operations / Software Engineer with experience building internal tools, automating workflows, and improving process efficiency in oil and gas and engineering environments. Combines mechanical engineering knowledge with software development skills to reduce manual work and streamline operations. Proven ability to identify operational bottlenecks and deliver software solutions that create measurable time savings and cost reduction.

TECHNICAL SKILLS

- **Programming & Software:** Python, C#, .NET, SQL, VBA, HTML, CSS, JavaScript, Flask, workflow automation, internal tools development
- **Engineering & Design:** Mechanical system design, Autodesk Inventor, SolidWorks, FEA, fabrication
- **Operations & Process Improvement:** Process improvement, reporting automation, systems integration, technical communication, operational efficiency

PROFESSIONAL EXPERIENCE

ABCO Subsea | Houston, TX

Operations Engineer | Feb 2025 – Present

- Developed a custom Autodesk Inventor plugin that consolidated engineering data and integrated internal systems, reducing engineering administrative time by 50% and saving 2 hours per project.
- Automated engineering documents and calculation spreadsheets, cutting report generation time by 75% and improving turnaround time from 4 hours to 1 hour.
- Identified process bottlenecks and implemented workflow improvements for annual labor savings of \$200k.
- Standardized engineering workflows and documentation practices, improving data consistency across design and reporting processes and reducing manual rework.

Iron Horse Builders | Houston, TX

Operations Engineer | May 2021 – Feb 2025

- Designed and deployed custom construction management software to support projects totaling more than \$50M, improving project tracking and reducing administrative processing time by 60%.
- Automated manual workflows across operational processes, eliminating approximately 8 hours per week of repetitive work and improving team productivity.
- Built internal tools aligned with existing operations, reducing friction and increasing efficiency across 10 users.

Plains All American | Houston, TX

Pipeline Operations Analyst | May 2020 – May 2021

- Developed and implemented Excel VBA tools that automated complex reporting workflows, reducing report preparation time by 80% and saving 10 hours per reporting cycle.
- Built executive dashboards for Pipeline Operations that improved visibility into district performance and reduced recurring manual reporting effort by 4 hours per week.
- Created a reliability tracking tool that standardized data entry and improved trend visibility, reducing reporting inconsistencies by 30% across 20 users.

EDUCATION

Texas A&M University | College Station, TX

Bachelor of Science in Mechanical Engineering | May 2024

- Engineers for Tomorrow Scholar
- Member, American Society of Mechanical Engineers

AWARDS

- Houston LS Show & Rodeo Metropolitan Scholar