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| JESSE KEITH, P. ENG  Engineer | Data Science Professional  jesse.keith@gmail.com https://www.linkedin.com/in/jesse-keith/  Calgary | | | | | | |  |
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| SUMMARY | | | |  | STRENGTHS | | |
| Analytical, collaborative, and creative Analytics Professional with over 15 years of experience in leveraging engineering best practices, data science, and ML- driven models to drive insight creation and implementation on over $4B in complex projects and transactions in the energy industry. Possesses a track record of success through using analysis to uncover insights and improvements and then driving implementation. Adept at providing technical mentorship to junior technical professionals through creative inspiration and driving a collaborative team culture. Equipped with strong communications skills to craft impactful data narratives that inform and motivate company decisions. | | | |  | Analysis  A creative analyst and problem solver who has used the tool-sets of engineering, economics and data science to develop business insights in over $CAD 4 billion in delivered projects and completed transactions. | |
|  | Collaboration  A demonstrated team player with senior/mentorship experience on complex and high-value projects involving up to 12 technical/professional disciplines. | |
|  | Insight Communication  A master technical writer who uses words and numbers to tell stories, with published or commissioned work in industry journals, corporate reports, and hobby and entertainment magazines (samples available). | |
| EXPERIENCE | | | |
| Senior/Staff Development Engineer Cenovus Energy Inc | | 07/2015 – Ongoing  Calgary | |
| *Project Analysis and Improvement*   * Spearheaded project development efforts; maintained strong engagement and oversight with key stakeholders to ensure project success; identified opportunities for project improvement; collaborated with interdisciplinary teams of 20+ professionals to drive successful project completion; delivered projects with over $1B combined capital with industry-leading performance * Project Manager of a multi-functional research project to optimize energy efficiency; Managed the research, production of a summary report and presented to executive management; This project led to a change in operating practices that added ~$300MM in value to corporate assets, while reducing GHG emissions intensity by 19% * Led multiple data science projects to uncover project improvement insights; leveraged R and Python to perform statistical analysis and developed data visualizations to showcase data-informed insights; communicated data stories to management to influence decision-making; utilized machinelearning algorithms to implement data-based forecasting methods; increased forecasting accuracy by 18% | | | | SKILLS | | |
| Data Science Machine Learning  Economic Modeling  Statistics/Econometrics  Hypothesis Testing Project Management  Python R SQL Pandas/Numpy  Excel Power BI Scikit-learn | | |
| Development Engineer | | | | CERTIFICATION | | |
| Athabasca Oil Corporation | 11/2008 - 11/2013  Calgary | | | Professional Engineer  Association of Professional Engineers and Geoscientists of Alberta (Member #: 74213)  Project Management Professional  Project Management Institute  Machine Learning  Stanford University / Coursera (online) - certificate  R Programming  Johns Hopkins University / Coursera (online) -certificate | | |
| *Project analysis and forecasting*   * Created business cases to support growth plans and fund-raising objectives; generated revenue and cost forecasts to define project value; aided in the development of presentation materials that went into a data room; resulted in a $3.81B international joint-venture * Developed project capital and production forecasts for the prospectus of ATH's $CAD 1.35B initial public offering on the Toronto Stock Exchange (TSX); provided the basis for the business case that was filed with the TSX and informed on the listing price and sales case | | | |
| EDUCATION | | | |
| Master of Science in Analytics |  | | GPA |
| Georgia Institute of Technology | 08/2020 - 2023 | | **3.9** / 4.0 |
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| Bachelor of Science: Chemical Engineering | | | |
| University of Calgary |  | | 12/2005 |
| * Graduated with Distinction * Faculty of Engineering Dean's List 2004-2005 | | | |
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| Bachelor of Arts: Economics | | | |
| University of Calgary |  | | 12/2005 |