Benjamin Austin

250-812-2808 | austinlhom@gmail.com | linkedin.com/in/benjaminaaustin | github.com/austinben

Versatile and self-motivated software/data engineer with 3+ years of experience, dedicated to driving business value. Passionate about enhancing data pipelines, creating impactful visualizations, and maintaining robust infrastructure. Strong leader who communicates complex technical information clearly, values continuous learning and innovation, and fosters positive, productive team environments.

EXPERIENCE

Data Engineer   **Jun 2023 – Jun 2024**
Wood Mackenzie   *Calgary, AB*

- Developed and optimized big data processing pipelines on Databricks, increasing data accuracy while reducing the compute time of certain computations by **over 50%**.
- Worked closely with analysts and industry experts to improve and validate data quality and accuracy, ensuring a competitive edge in our product.
- Led data quality initiatives to stabilize and standardize the daily processing of **100M+** oil & gas production data points.
- Supervised a team of developers building infrastructure responsible for the automated collection of global energy data from **200+** unique sources.

Junior DevOps Engineer   **Sep 2021 – Jun 2022**
MarineLabs   *Victoria, BC*

- Developed and enhanced features of a cloud processing pipeline responsible for handling real-time, high-resolution sensor data from a fleet of **40+** remote marine devices.
- Improved IAC coverage for multiple AWS stacks using CloudFormation and Python, promoting predictable and reliable infrastructure deployment.
- Implemented an automated CircleCI testing framework to validate the functionality of multiple Lambda functions, accelerating development cycle time by **over 25%**.

Software Developer Co-op   **Jan 2021 – Apr 2021**
National Research Council Canada   *Penticton, BC*

- Researched and implemented a suite of software systems for scheduling, executing, and storing solar observation data for research projects at the Dominion Radio Astrophysical Observatory.
- Harnessed features of a key/value database to dynamically monitor a subset of observation requests, reducing database traffic by **over 30%** while enabling real-time updates to the observation schedule.
- Streamlined communication among diverse endpoint devices by implementing JSON over HTTP interfaces with RESTful APIs, enabling unified communication through a standardized protocol.

Quality Assurance Analyst Co-op   **Jan 2019 – Aug 2019**
ACD Systems   *Victoria, BC*

- Performed comprehensive quality assurance testing across a diverse range of products throughout their development lifecycle, providing confidence in releases, updates, and maintenance.
- Researched, advised, and ensured the functionality of a payment processing pipeline during its redesign for compliance with Europe's PSD2 regulations.

EDUCATION

University of Victoria   **Sep 2017 – Aug 2022**
Bachelor of Software Engineering, Specialization in Cyber-Physical and Smart Systems   *Victoria, BC*

SKILLS

Languages: Python, C/C++, JavaScript, HTML, CSS
Big Data: Databricks, Apache PySpark, Kibana, Pandas, NumPy
Cloud Computing: AWS (Cloud Practitioner)
Tools: Git, Docker, Vim, CircleCI
Workplace: Jira, Confluence, Agile, Scrum, Kanban