

Ryan Melcher

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PROFESSIONAL EXPERIENCE

- Software Engineer, American National Bank** Aug 2021 – present
- Built dashboards with React, JS/TS, EJS, and Node to support internal business units in delivering key metrics to customers, track real-time workloads, and progress on KPIs.
 - Utilized Docker to containerize and deploy various applications.
 - Built a data warehouse using SQL to combine information from multiple core banking systems into a standardized data set, resulting in the reduction of report building time from days or hours to minutes.
 - Designed tools to automate operational tasks, each boosting productivity in multitudes via SOAP and RESTful APIs.
 - Integrated with Adobe, AWS, and Azure on various APIs in creating a site for eSign agreement generation.
 - Created documentation and procedures for development best practices and operational architecture.
 - Configured database connections to easily allow data science teams to identify alerts/trends between ingested sets in SQL.
- Software Engineer Intern, American National Bank** May 2021 – Aug 2021
- Used data analytics to find pain points within the business, where data itself needed improving across its 900,000+ user files.
 - Developed APIs that communicated directly to the banking core system.
 - Created a site to automate the processing and resolution of inconsistencies within user data.
 - Designed techniques used for future development, including design thinking and life cycle standards.
 - Implemented scalability and future-oriented expansion for data regulations.
- Environmental IT Intern, Union Pacific** Dec 2019 – Aug 2022
- Delegated and revised the environmental management system (EMS), environmental information system (EIS) and SWPPP plans systemwide.
 - Reduced risk by 8% across stormwater systems through audit data analysis.
 - Found significant cost savings amounting to \$140,000 in gas, water, electrical, and waste through statistical measures.
 - Assisted with SWPPP, CRTK, and SPCC regulation and creation. Reported discrepancies to Assistant Vice President in semi-annual meetings.
- Project Manager, Braven** Jan 2021 – May 2021
- Managed 5 teammates through the creation of a dynamic project built for Deloitte Inc. that received over 80% approval ratings from potential users.
 - Conducted empathy-based research on a collective 18 individuals to better understand user needs.
- Various Roles, CAPS Program, others** Jun 2018 – Sep 2019
- Software Innovation Team Leader, Gallup Inc.** Sep 2015 – Feb 2018
- Led a team of 3-4 people to create useful tools for Gallup's Innovation Team that resulted in employee retention rates raising by 6% across projects.
 - Focused on software development, team leadership, project management, and strengths development through website and application creation.

EDUCATION

B.S. Environmental Science, Computer Science with Biology Minor, Aug 2018 – May 2022
University of Nebraska - Omaha (3.92 GPA)

CERTIFICATES AND INVOLVEMENT

Awards

- Eagle Scout || Buffet Scholar || UNO Regents Scholar || Horatio Alger Scholar || Dell Scholar || College Possible || National Honors Society || National DECA Finalist || Chancellor's List at UNO

Certificates

- Certified Agile Service Manager, *DevOps Institute*
- AWS Certified Developer, *Amazon Web Services*