

# TY BAYN

## SOFTWARE ENGINEER

Experienced Software Engineer and Data Engineer with a demonstrated history of developing complex and enterprise level software. Skilled in Python, C#, SQL, and web languages. Utilizes many technologies including Docker and is experienced in event driven architecture. Has worked in many different programming roles and has developed a wide range of skills as a software engineer, data engineer, web developer, and data analyst.

### Personal Info

Location: Layton, UT  
Phone: (801) 917-7265  
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GitHub: github.com/tybayn  
Website: tybayn.github.io

### Languages

Python3  
Expert

MySQL/PostgreSQL  
Expert

Web (HTML, CSS, JS)  
Expert

C#  
Proficient

C++  
Proficient

Java  
Proficient

### Technologies

FastAPI  
Proficient

Docker  
Proficient

SQLAlchemy  
Proficient

Kafka / Event Streaming  
Proficient

Kubernetes  
Novice

AWS / S3  
Novice

### Skills

Software Development  
Expert

Collaborative Programming  
Proficient

Agile / Scrum  
Proficient

### Education

#### Southern Utah University

Utah **BS, Computer Science**  
Aug 2018 *Summa Cum Laude*  
- Apr 2020 Grade-Point Average: 4.0/4.0

#### Snow College

Utah **AS, Computer Science**  
Aug 2015 *Summa Cum Laude*  
- Apr 2018 Grade-Point Average: 3.93/4.0

### Experience

#### What If Media Group



Full-time **Data Engineer III**  
Mar 2024 - Present

- Work with multiple teams to create accurate and efficient data pipelines using Snowflake, Databricks, and Apache Airflow
- Identify, design, and implement internal process improvements, including automating manual processes and optimizing data delivery

#### 1010data (Part of SymphonyAI)



Full-time **Lead Software Development Engineer**  
Mar 2023 - Feb 2024

- Lead a team in developing and implementing streaming and event-based software using Apache Kafka
- Work with multiple teams to streamline, automate, and centralize development practices and code resources
- Develop tools and resources for use in data pipeline by Data Engineers

Full-time **Data Engineer III**  
May 2022 - Mar 2023

- Develop and maintain ETL data pipelines using Apache Airflow
- Develop software to streamline, automate, and centralize development practices and code resources

Full-time **Data Engineer I**  
Nov 2021 - May 2022

- Develop and maintain ETL data pipelines using Apache Airflow
- Work with multiple teams to streamline, automate, and centralize development practices and code resources

#### PhoneSoap



Full-time **Business Intelligence Engineer**  
Nov 2020 - Oct 2021

- Developed software to clean and load data from various sources
- Created visualizations and reports to assist in making data-supported business decisions

Contract **Business Intelligence Consultant**  
Jul 2020 - Oct 2020

- Used various ETL technologies to collect data from various ad and eCommerce sources and load them into a data warehouse for centralized reporting

#### GuardSight, Inc.



Intern **Software Engineer / Data Analyst**  
Jan 2020 - Apr 2020

- Developed a data analytics tool and plotting engine in Python3 to visualize historic cybersecurity events, show anomalies in historic data, and predict/detect anomalies in live data