

TY BAYN

SOFTWARE ENGINEER

Personal Info

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GitHub: github.com/tybayn

Portfolio: tybayn.github.io

Languages

Python3
Expert

MySQL/PostgreSQL
Expert

Web (HTML, CSS, JS)
Expert

C++
Proficient

C#
Proficient

Java
Proficient

Technologies

Docker
Proficient

FastAPI
Proficient

SQLAlchemy
Proficient

Kafka / Event Streaming
Novice

Kubernetes
Novice

AWS / S3
Novice

Skills

Software Development
Expert

Collaborative Programming
Proficient

Agile / Scrum
Proficient

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 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.

Education

Southern Utah University

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

Snow College

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

Experience

1010data



- Full-time** ● **Lead Software Development Engineer**
Mar 2023
- Present
- 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
 - Assist with the transition of software and systems to the cloud

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.

Southern Utah University

- Part-time** ● **IT Help Desk (Tier II)**
Jan 2019
- May 2020
- Assist Tier III's in completing networking and software projects
 - Performed routine maintenance on hardware and software