# TY BAYN
## SOFTWARE ENGINEER

## Personal Info

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**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

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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
Aug 2018 - Apr 2020

**BS, Computer Science**
*Summa Cum Laude*
Grade-Point Average: 4.0/4.0

### Snow College

Utah
Aug 2015 - Apr 2018

**AS, Computer Science**
*Summa Cum Laude*
Grade-Point Average: 3.93/4.0

## Experience

### 1010data

Full-time
May 2022 - Present

**Data Engineer III**
- Develop and maintain ETL data pipelines using Apache Airflow
- Develop software to streamline, automate, and centralize development practices and code resources
- Lead a software development team to design and develop services that utilize an event-based architecture using Apache Kafka and Faust

Full-time
Nov 2021 - May 2022

**Data Engineer I**
- Develop and maintain ETL data pipelines using Apache Airflow
- Assist with the transition of software and systems to the cloud

### PhoneSoap

Full-time
Nov 2020 - Oct 2021

**Business Intelligence Engineer**
- Developed software to clean and load data from various sources.
- Created Visualizations and reports to assist in making data supported business decisions.

Contract
Jul 2020 - Oct 2020

**Business Intelligence Consultant**
- 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
Jan 2020 - Apr 2020

**Software Engineer / Data Analyst**
- 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
Jan 2019 - May 2020

**IT Help Desk (Tier II)**
- Assist Tier III's in completing networking and software projects
- Performed routine maintenance on hardware and software

### ZipKitHomes

Freelance
Oct 2016 - Aug 2018

**Web Developer**
- Developing and maintaining the front-end for zipkithomes.com