

DAVID SHIPMAN

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EDUCATION

West Governors University
BS Software Development

Salt Lake City, UT
October 2022 - August 2023

Northwest Florida State College
AA General Education, 3.65 GPA

Niceville, FL
Aug 2018 - May 2020

SKILLS

Programming Languages:	Python, Go, SQL
Databases and Cloud Computing:	Snowflake, AWS (S3, RDS, Lambda, DMS), PostgreSQL
Scheduling and Tools:	Airflow, Prefect, Docker, Terraform, Github Actions, RabbitMQ

EXPERIENCE

Clearcover

Chicago, IL (Remote)

Data Engineering Intern

June 2022 - August 2022

- Took ownership, architected, and developed a large highway collision data pipeline, moving 800GB of data from a remote SFTP server to Clearcover's Snowflake data warehouse using Go, Python, SQL, and Prefect
- Automated and deployed a durable, maintainable internal tool with 100% test coverage that allows internal stakeholders to update data asset documentation, improving data observability at Clearcover
- Created a feature that validates updated documentation fields has proper formatting using Python, Pydantic, and regexpressions
- Automated validation checks of changed documentation on pull request using Python and Github Actions
- Developed and configured CI pipelines using Github Actions to automate tests and formatting checks when pushing to Github
- Created and configured AWS Codebuild projects using Terraform

Arivo Acceptance

Salt Lake City, UT

Data Engineering Apprentice

June 2021 - January 2022

- Created, deployed, and maintained automated accounting process, saving the accounting department 100 hours of manual loan transactions QA each month
- Automated loan reporting through joining disparate data sources using Selenium, SQL, Python, S3, and Snowflake
- Architected, deployed, and maintained financial databases using Snowflake, Terraform, and Typescript
- Created unit tests for Arivo's event-driven architecture, automatically running the tests when pushing to Gitlab
- Created documentation for Arivo's event-driven data architecture
- Took ownership of the complete Software Development Life Cycle, emphasizing on simple and concise communication when interfacing with internal stakeholders
- Automated the invoice creation for each booked loan using Typescript by interacting with an API, automating half of the invoice process for hundreds of loans each day

PROJECTS

Go-Twitch Analytics *Go, SQL, Postgres, RabbitMQ* <https://github.com/DavidJS01/goTwitch-Analytics>
Go-Twitch is an event-based, streaming analytics solution to subscribe to and aggregate chat data from a list of your favorite Twitch.tv livestreams, visualized in near real time

Fluff-Analytics *Python, Go, SQL* <https://github.com/DavidJS01/fluff-analytics>
Fluff Analytics allows League of Legends players to track detailed data about their friends' in-game stats with a dashboard updated every 30 minutes, powered by Python and Go