

Griffin Pilz

St. Petersburg, FL
203-927-9688

grif@develup.com | <https://www.linkedin.com/in/griffinpilz/> | <https://github.com/GriffinPilz>

SUMMARY:

Full Stack Engineer with a strong data engineering focus, specializing in building scalable applications, data pipelines, and AI-assisted development workflows that accelerate delivery while improving reliability and code quality.

EXPERIENCE AND SKILLS:

January 2026 – July 2026 (6 month Contract)

Raymond James Financial

Saint Petersburg, Florida

Machine Learning and Python Data Engineer

- Reduced compliance model data aggregation down 90% by architecting and building an end-to-end data pipeline that ingested multiple million record daily enterprise email data, ran lexicon-based compliance checks, deduplicated events, and stored SQL Server and Oracle.
- Created Python scripted ETL processes to move structured data from SQL Server and Oracle into Amazon S3 and moved normalization and verification functions across data scientists into lambda, enabling scalable feature storage and model development in Amazon SageMaker.
- Designed and built the scalable SageMaker inference API (FastAPI) and UI (React) for customers to get inference data on tables and files in batches and realtime capable of over 100,000 inferences per second.

July 2024 – January 2026

Dun & Bradstreet

Remote

Data Engineer II

- Architected and built an optimized scalable data infrastructure to improve performance, reliability, and automation supporting over 50 data workflows.
- Lead the 6 person offshore Data Operations team, improving the speed, reliability, and transparency of business processes through dashboards and daily validation reports.
- Designed and built custom distributed computing frameworks in Go and Python, improving throughput for large-scale data validation, deduplication, and transformation workloads by 10x.
- Designed and implemented a GDPR and CCPA-compliant suppression full stack application that identified high-confidence record matches and automatically removed them from the GPD system in real time.

October 2022 – July 2024

Data Engineer I

- Processed over 100 billion records per day using normalization, mapping, bucketing, suppression, and smoothing techniques with Python, Go, and MySQL.
- Built a python database replication system for MySQL and Redshift to accelerate synchronization across multiple environments.
- Increased query and pipeline performance via chunking, indexing, and hashing optimizations.
- Maintained and enhanced ETL pipelines, reducing runtimes by 50–99% converting database ETL to multiprocessed python processes.

April 2022 – October 2022

American Integrity Insurance

Tampa, FL

Data Analyst/Engineer

- Designed databases, automation processes, and ingestion frameworks supporting data integrity and operational efficiency.
- Developed multi-server data testing and validation procedures with automated QA checks.
- Built data collection workflows using web scraping, file detachment, filtering, and transformation techniques.
- Produced analytical reports using statistical methods and SQL insights.

TECHNICAL SKILLS:

Languages:

Python, Go, SQL, Javascript

Databases:

MySQL, SQL Server, PostgreSQL, Redshift, Oracle, Redis

Cloud:

AWS, Supabase

Tools/Frameworks:

Claude, Cursor, Lambda, Glue, SageMaker, FastAPI, Playwright

EDUCATION:

May 2017

UNIVERSITY OF CONNECTICUT • Storrs, CT

Bachelor of Arts, Economics