

Gregory Wiltshire

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Technical Skills

Python, SQL, Terraform, AWS, Docker, PostgreSQL, Snowflake, Git, Golang, Linux,
Agile/Scrum/Kanban, GitHub Actions CICD, Software Development, REST APIs, FastAPI

Work Experience

Software Engineer II Tech Lead Warner Bros. Discovery (WarnerMedia) 02/2022-Present

- Technical Lead for the productization of an internal content metadata and ML platform with server/client REST APIs, CLI, and web application components
- Prototyped and architected my own data product "AdReady" which utilizes open-source computer vision and machine learning models to generate candidate ad breaks for content monetization
- Collaborated with Product managers to prioritize and strategize, ensuring alignment of technical efforts and product goals in dealing with vendors and internal stakeholders
- Lead teams of contractors developing frontend and machine learning product features
- Supported platform integrations for third party vendors and internal teams
- Leveraged OpenAPI specification standards for client, documentation, and Swagger UI generation in development workflow resulting in improved developer experience and API product consistency
- Architected basic auth to secure platform docs using AWS CloudFront, S3, WAF ACL/Rulesets
- Automated sentiment-rich previews for HBOmax using AWS Rekognition Transcribe, and FFmpeg

Software Engineer II WarnerMedia 03/2021-02/2022

- Updated a Ruby/Sinatra app for monitoring ~450 AWS accounts using AWS Step Functions resulting in a 90% faster collection of data and the ability to refresh account reporting on demand
- Created various Terraform templates for myself and other teams: Private VPC Managed Airflow, Bastion Host, KMS secrets with OKTA role enforced IAM policies, managed RDS databases

Advanced Software Developer WarnerMedia (Turner) 05/2019-03/2021

- Built APIs in Python with FastAPI for Ad optimization workflows utilizing analytics workloads in Snowflake and a Postgres transactional store for creating Ad campaign scenarios, this project resulted in an estimated incremental revenue of \$25m for year 2022
- Modernized a data team to use Airflow, Docker, GitHub Actions, and Terraform

Data Engineer Intern Turner Broadcasting Inc. 08/2018-05/2019

- Completed three rotations on a dataplatform team and asked to return before hired as FTE
- Contributed SQL, Python code to ingest third-party API data into Snowflake data warehouse
- Created data pipelines and dashboards that enabled executives to self-service their reporting

Extracurriculars

- Studying for my AWS Solutions Architect Professional Certification
- Mentored SWE interns as an intern alumni for several rotations of WarnerMedia's intern program
- Volunteer Industry Mentor mentoring GSU undergraduate CS students
- Wrote modules to provide a client-like experience for AWS Managed Airflow CLI in Go github.com/WarnerMedia/mwaah and Python pypi.org/project/mwaah

Education

- B.S. 2019 Georgia State University Atlanta, GA
- A.S. 2016 Georgia State University Atlanta, GA