TAYLOR PUBINS

tpubz@icloud.com • 623.466.5640 • linkedin.com/in/trpubins/ • github.com/trpubz/• Colorado, USA

FULL STACK SOFTWARE ENGINEER | DATA ENGINEER

Software Engineer • Data Engineer • Technical Product Owner
SQL, Python, Java, React TypeScript Full-Stack Engineer • Apache Airflow, Kafka, Flink Data layers

PROFESSIONAL EXPERIENCE

Full Stack Software Engineer | Data Engineering | Pinterest, Remote   **May 2024 - Feb 2026**
Python | React Typescript | Java | SQL | Apache Airflow | Flink | Kafka, Advertiser Growth & Monetization Team

- Owns/delivers multiple full-stack features that required comprehensive engineering expertise (TDD generation, data layers (Apache Airflow | Flink & Kafka), backend (Python | Java) code, frontend (React TypeScript) code, and experiment-based rollout & analysis (Querybook).
- Architected KV Store data layer for advertiser features serving 1M+ daily requests, achieving 7x latency improvement (350ms → 49ms p99) and 40% success rate increase; implemented caching strategy that reduced database load by 60% and improved advertiser dashboard load times.
- Built event-driven data pipelines using Apache Flink & Kafka for real-time advertiser data propagation; designed fanout patterns ensuring downstream system consistency across distributed architecture.
- Optimized Apache Airflow DAG execution reducing pipeline runtime by 50% (5hr → 2.5hr) and cutting cloud compute costs +$12k annually; pipeline reliability improvements reduced on-call alert frequency by 75%.
- Delivered full-stack features using test-driven development (Pytest, Jest, Cypress) with A/B testing and gradual rollouts; built analytics dashboards (Querybook, Jupyter) that informed product strategy for advertiser growth.
- Served in on-call rotation supporting production systems; debugged and resolved incidents for distributed databases & micro-services deployed via Docker containers on AWS infrastructure.

Ruby Software Engineer Apprentice | Turing School of Software & Design   **Aug 2023 - Mar 2024**
Ruby/On Rails | React TS | PostgreSQL | GraphQL | AWS EC2 | Vercel

- 1500 hours. 27 weeks. ACCET-accredited software engineering program.

TECHNICAL PROJECTS

Fantasy Baseball ETL Pipeline • 8 repos github.com/orgs/MTBLL/repositories   **2026**
Python | Pydantic | Pandas | Plotly | PostgreSQL | Hasura DDN | GraphQL

- This Fantasy Extract, Transform, Load Pipeline uses HTTP requests to fetch baseball player data from multiple sources, transforms the data with normalization, hydrations, & valuations, and loads the data via PostgreSQL, to a remote storage which is made available through the Hasura DDN (Data Delivery Network – GraphQL). Data is then used for direct GraphQL queries & Plotly dashboards.

Fantasy Draft Room Assistant • github.com/trpubz/DraftHQ • gh.com/trpubz/DraftScraper   **2021**
Swift | SwiftUI | Python | Selenium | Flask | REST API

- Opens an ESPN Draft Room and scrapes the room for bidding activity and requests the Summary tab when player is drafted. Concurrently, a separate thread hosts a Flask web-service where the data is served as a RESTful JSON API.

PRIOR EXPERIENCE

Lead Technical PM | Space Systems Cmd, Los Angeles   **Feb 2021 - Jul 2023**
Software & Infrastructure, Space Assets Program Office | #1/20 Project Mgrs '21

◉ Led cost, schedule, & performance of the design, development, testing, & deployment of software & infra. capabilities – $90M software & $250M secure cloud infrastructure deliverables.

◉ Rapidly implemented $50M Agile software re-baselining–averted 24-month gap in mission capabilities.

Lead PM, Commander's Action Group | Space Delta 4, Denver   **Jun 2020 - Feb 2021**
Portfolio Management Office, Ent. Resource Planning Project | Air Force Sr. Analyst of the Year '20

◉ Managed & Innovated on global ops' value chain–synergized 16 Enterprise lines of effort & refactored 5 global effects.

Technical Project Manager, Chief of Tactics | 460th Ops Support Sq, Denver   **Oct 2018 - Jun 2020**
Operations Support PMO | #1/75 Data Analysts '20 – #2/8 Team Leads '20

◉ Managed & Innovated all phases of Developmental Test & Evaluation with emphasis on Enterprise Integration.

◉ Architected API solution to create ops tools & DevOps pipeline–trained ops division; integrated $93k of s/w for ops.

Sr Ops Data Analyst, Team Lead | 2nd Space Warning Sq, Denver   **Aug 2016 - Oct 2018**
Selected as Top Team Performer (#1/35) 2018

◉ Optimized & Executed space operations–created 189 mission plans enabling over 700 exquisite customer notifications.

◉ Authored VBA code integrating 3rd Party APIs–wrote 25 ops products & increased capes by 30% for strategic customers.

EDUCATION

Air Force Institute of Technology   **2022**
Master's Certificate in Data Analytics/Machine Learning

◉ 4.0 GPA | Course Work: Data Analytics, DBs, Adv. OOP, Applied Statistics, ML

United States Air Force Academy, CO   **2016**
B.S. in Business Management & Entrepreneurship, Minor in Portuguese

◉ 3.35 GPA | Management Dept. Dean's Honors (Top 10%)

PERSONAL AWARDS, PROFESSIONAL COMPETENCIES & TECHNOLOGIES

Awards: #1/20 PM '21 • USAF Sr. Analyst of the Year '20 • Dean's Honors (Top 10%) '16 • BMT Honors (Top 10%)

Certificates: Project Management Professional, PMI

Competencies: Superb Verbal Communication • Systems & BI Thinking • Decisive & Servant Leadership • Enterprise & Systems Integration • Analytics/ML • EVM • Developer Empathy • TS/SCI Clearance

Technologies: Java • Python • Swift • PostgreSQL • MongoDB • Apache Airflow • Apache Flink • Apache Kafka • CI/CD • Docker • GraphQL • REST APIs • AWS EC2 • AWS S3 • Figma • Git • Github