Nicholas Fealey

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EXPERIENCE

PepsiCo — *Data Engineer* Nov 2022 - Present | Purchase, NY (Remote)

- Led the organization's first Airflow 2 to 3 migration, upgrading 200+ production DAGs; Established the documentation & hosted sessions that enabled efficient migrations on other teams
- Led development of a centralized data hub of ~12 data pipelines, greatly improving reliability & delivery timelines
- Standardized DAG structure across the team's data pipelines, improving maintainability & code readability
- Improved existing connectors & documentation, supporting the long-term health of the team's core data product
- Migrated pipelines from email-delivered data feeds to API sources, improving reliability & data quality
- Host knowledge transfer sessions to share technical practices & project learnings across teams

Stack: Python, Airflow, Snowflake, DBT, Databricks, Docker, AWS, REST APIs, pandas

1010Data — *Data Engineer* Oct 2020 - Nov 2022 | New York, NY

- Built Apache Airflow data pipelines to bridge data from various data sources into the 1010 platform
- Migrated on-premise data pipelines to the cloud & upgraded data pipelines from Airflow 1.x to 2.x
- Built custom Airflow operator to facilitate data flow from SFTP to AWS S3

Stack: Python, K, 1010data Macro Language, REST/SOAP APIs, web scraping (Requests, Beautiful Soup, Selenium)

Publicis Sapient — *Software Engineer* Jun 2019 - Oct 2020 | New York, NY

- Automated data flow between various platforms by building Python connectors for a Fortune 500 client
- Automated data sanitization & validation and developed deployment plans for production updates
- Built a REST API in GCP for real-time web scraping with Selenium & Beautiful Soup

Stack: Google Cloud SQL, Google Cloud Storage, Google BigQuery, Jenkins, JIRA, Docker

Federal Reserve Board of Governors — *Software Engineer Intern* Jun 2018 - Aug 2018 | Washington, D.C.

- Reduced landing-page asset size by 37% via image optimization & build times by 90% via Gulpfile improvements
- Improved rendering by ~200ms via CSS/JS minification, file concatenation, & critical rendering optimizations
- Researched HTTP compression algorithms & developed a best-practices deployment plan

Ahold — *Front End Engineer* Jul 2016 - Dec 2016 | Quincy, MA

- Developed a mobile-optimized chatbot interface & improved application load times through image optimization
- Built POCs in React, React Native, NativeScript, AngularJS, Node.js & Ionic to guide tech stack selection

TECHNICAL PROJECTS

LegalStampy (legalstampy.com) — *Founder & Engineer* 2024 - Present

- Built a SaaS for law firms providing private document storage with tamper-evident Bitcoin timestamps

POC Media — *Technical Advisor & Lead Engineer* 2026 - Present

- Building the company's music licensing platform from the ground up

Start9 Community Registry — *Open Source Contributor* 2026 - Present

- Packaged Apache CouchDB for StartOS, enabling data sync for apps on sovereign home servers
- Packaged Ovumcy for StartOS, enabling private menstrual cycle tracking on sovereign home servers

TECHNICAL SKILLS

Languages: Python, JavaScript, Java, PHP, K, Swift, HTML, CSS
Data Engineering: Apache Airflow, DBT, Snowflake, Databricks, REST APIs, SQL, Google BigQuery, Web Scraping
Libraries & Frameworks: Flask, Selenium & Beautiful Soup, Axios, Vue.js, jQuery, React
Infrastructure & Tools: Git, Claude Code, OpenCode, Postman, Docker, Proxmox, StartOS, Gulp.js, Apache Server

EDUCATION

Rochester Institute of Technology — *B.S. Web and Mobile Computing; GPA 3.73*

COMMUNITY INVOLVEMENT

SOSNA *(local non-profit)* — Elected Board Member & Chair of the Vision Zero Committee 2024 - Present

INTERESTS

Emerging Technologies, Finance, Blockchain, Self Hosting, Privacy & Security, Photography, Prehistory