

Edward Randall

Data Engineer

Email: ebbyrandall@gmail.com | LinkedIn: [linkedin.com/in/edward-randall-b206b5197](https://www.linkedin.com/in/edward-randall-b206b5197) | My website: edwrand.com

Education

Texas Christian University

- Bachelor of Science in Business Information Systems
- FinTech Certificate (Blockchain with Python, Machine Learning with Python, and AI with R)
- Founder and Social Chair of TCU Blockchain Club (2021)
- Independent senior study of JavaScript, HTML, and CSS through the Odin Project

Professional Experience

- **Solo full stack software engineer**, DataGift **October 2024 - present**
 - Architected and implemented a full stack feedback marketplace SaaS platform for my small business venture.
 - Built a scalable backend using Flask Python routes that serve HTML, CSS, and ReactJS pages and apps within my website
 - I designed everything from scratch. The database models, RLDB star schema model, character enforcements, security and fraud features using StripeJS, Google Auth, and proprietary workflow features. Admin superuser to handle dispute resolution in case of fraud. This application works as intended live to several hundred users.
- **Data Engineer**, BorrowWorks **August 2023 - October 2024**
 - Data Modeling, Data architecture, ETL pipelines, reporting, visualizing, monitoring, and testing infrastructure for a 1,000+ model Snowflake data warehouse with 100+ billion records
 - Led efforts to reduce DBT model replication build time by ~25% using incremental and ephemeral strategies
 - Increased model testing and alerting coverage by ~60% using Slack, DBT, and Snowflake APIs
 - Upgraded DBT core versions and SQL syntax to take advantage of open source packages that allowed greater data auditability, testing, debugging and troubleshooting for all 1,000+ warehouse models
 - Built three dimensional models for new lending product launches
 - Built a cloud cost reporting system using Snowflake SQL to provide visibility into the cost of various 3rd party roles operating on our Snowflake warehouse
 - Technologies: Python, Advanced SQL, Jinja SQL, Looker, Snowflake, Data Build Tool (DBT), Airflow
 - Workflow Tools: Agile method, Slack, Jira and Confluence, and Git CI/CD
- **Software Engineer Intern**, LongFi Solutions **May 2022 - July 2022**
 - Built ETL Scripts with Python to process Solana and Pollen blockchain data for crypto miner placement optimization and troubleshooting.
 - Technologies: Python (Flask, Plotly, Matplotlib, Pandas, Solana APIs), GitHub, PGAdmin, SQLAlchemy.
- **Co-Founder and Technical Project Manager**, Devridge Technology Software Agency **November 2021 - May 2022**
 - Worked with 8 different clients on Ethereum smart contract development with Solidity and JavaScript. Managed technical documentation, client meetings, product management, and workflow structure creation.
 - Earned a total of 14 contracts on Upwork working with one other founder of Devridge Technology
 - Technologies/Tools: JavaScript, Solidity, Python, GitHub, Jira
 - Agency: upwork.com/ag/devridge
- **Co-Founder**, FMedia Network **January 2018 - January 2021**
 - Built and managed social media networks with 2.5+ million followers, 15+ million weekly impressions. Monetized through advertising and product partnerships earning ~\$5,000 MRR. Successfully exited through a sale in 2021.

Computer Skills

- **Programming Languages:** Python, JavaScript, basic Java
- **Other Skills:** Advanced SQL, Jinja SQL, HTML, CSS (Proficient with SQL)
- **Data Visualizers:** Looker, PowerBI, Tableau, SAP, Python (Matplotlib, Dash, Plotly)
- **Data Concepts:** Data Modeling, Data Architecture, ETL/ELT Procedures, Monitoring and Reporting Analytics