Fidel Andrés Fúnez

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SUMMARY

Data Engineer with 6+ years of experience in data systems, ETL pipelines, analytics, and full-stack development. Proven ability to design data models, build reporting workflows, and deliver production systems end-to-end. Strong background in financial, operational, and HR data domains with emphasis on data integrity, reconciliation, and stakeholder-driven solutions. Fluent in English and Spanish. Based in US Central timezone, experienced with distributed remote teams across the US and Latin America.

TECHNICAL SKILLS

Languages: Python, SQL, Bash, TypeScript
Data & ETL: Pandas, Apache Spark, dbt, Apache Airflow, data modeling, data validation, reconciliation workflows
Cloud & Infrastructure: AWS (S3, Glue, Athena, Redshift, Kinesis), Docker, Git, Terraform
Databases: PostgreSQL, SQLAlchemy, Redis, Redshift
BI & Visualization: Power BI, Tableau, dashboard design, KPI reporting
Backend & APIs: Flask, FastAPI, RESTful API design, JWT authentication, third-party integrations

PROFESSIONAL EXPERIENCE

Data & Systems Engineer
Relay Human Cloud | 2024 – Present | Remote
- Designed and implemented internal data tracking systems to support operational and financial workflows
- Built dashboards and reporting pipelines to visualize program performance, adoption metrics, and financial KPIs
- Led merchant data integration efforts, ensuring consistency and data integrity across multiple systems
- Completed finance certification covering macroeconomic indicators (GDP, inflation, fiscal policy)
- Designed and built production-ready web applications with focus on backend APIs, data models, and system architecture
- Developed RESTful services using Python (Flask) and SQLAlchemy with authentication, authorization, and business logic layers
- Designed relational database schemas and wrote optimized SQL queries to support scalable application features
- Integrated third-party services including payment providers, authentication services, and external data APIs
- Collaborated with stakeholders to gather requirements, troubleshoot data issues, and deliver features iteratively

Data Engineer
Boxer Property Management | 2023 – 2024 | Remote (US Company, LATAM-based)
- Managed and optimized data pipelines supporting recruiting operations, integrating ATS/CRM tools (Bullhorn, etc.)
- Assisted with system transitions and ETL process improvements for payroll and benefits workflows
- Ensured data compliance and governance across client organizations, maintaining high data quality standards
- Analyzed and visualized recruitment metrics to identify pipeline bottlenecks and improve hiring funnel efficiency
- Collaborated with data and reporting teams to monitor KPIs and deliver actionable insights to stakeholders

Systems Engineer (HR Data)
Boxer Property Management | 2021 – 2023 | Remote (US Company, LATAM-based)
- Maintained and optimized internal HR databases supporting enterprise compliance and reporting workflows
- Ensured data accuracy, integrity, and consistency across internal platforms serving 500+ employees
- Collaborated with IT and reporting teams to improve system reliability and data accessibility
- Analyzed operational data to identify process inefficiencies and support data-driven improvements

Data Operations Analyst
Agero, Inc. | 2018 – 2021 | Remote (US Company, LATAM-based)
- Administered complex payroll systems processing data for 1,000+ employees, prioritizing data integrity and regulatory compliance
- Managed sensitive datasets and implemented robust data validation steps, enhancing data quality and security
- Collaborated with finance to ensure clean data handoffs for accounting and audit
- Maintained and optimized HR databases through automation and systematic data cleanup initiatives
- Developed custom Excel reports and dashboards for leadership using advanced functions to surface employee trends

TECHNICAL PROJECTS

End-to-End Cloud Data Platform — Regional Development Bank
https://github.com/fidelfunez/Regional-Bank-Cloud-Data-Platform
AWS (S3, Glue, Redshift, Kinesis), Apache Airflow, Spark, Python, SQL, dbt, Terraform
- Designed enterprise-grade cloud data platform supporting batch and streaming data ingestion across multiple countries
- Built scalable ETL pipelines with data quality checks, orchestration workflows, and analytics-ready data models
- Implemented infrastructure-as-code with Terraform for reproducible, version-controlled deployments

IMF Capacity Development Dashboard
https://github.com/fidelfunez/IMF-CD-Dashboard
Power BI, Python, Pandas, IMF/World Bank APIs
- Built interactive Power BI dashboard analyzing capacity development indicators across 25 IMF member countries
- Developed Python pipeline to extract and process 1,631 data points from IMF and World Bank APIs
- Visualized GDP growth trends, regional economic patterns, and COVID-19 impact (2018–2024) with KPI cards, maps, and rankings

Full-Stack SaaS Platform
https://github.com/fidelfunez/PaidIn-App
Python (Flask), SQLAlchemy, React, TypeScript, PostgreSQL, Stripe, Plaid
- Designed and built end-to-end SaaS application for business operations with secure authentication and RBAC
- Implemented real-time financial data handling with deep integrations to banking and payment APIs

EDUCATION

B.S. Computer Science Engineering (Cum Laude)
Universidad Tecnológica de Honduras (UTH) | 2018 – 2022