Daniel Hernandez

danielandres65@gmail.com | linkedin.com/in/danhergir | danhergir.github.io | Bogota, Colombia

Education

Brigham Young University - Idaho **December 2019 – July 2023**
BS, Computer Science *Rexburg, ID*

- GPA – 3.4
- Data Science Group Member | BYU-I Data Science Society

Work Experience

PayJoy **Aug 2025 – Present**
Software Engineer (Payments Team) *Bogota, Colombia · Hybrid*

- Integrate Bancolombia and Wompi payment rails handling 30K+ transactions/day, raising payment success rate from 90% to 99%
- Automate reconciliation for Bancolombia and Wompi settlements, cutting reconciliation time from 5–6 minutes to under 60 seconds per query (80%+ faster)
- Build a 3-layer observability stack (Datadog APM, custom metrics, and alerting) and codify p95/p99 latency monitors, alerts, and dashboards in Terraform, accelerating incident detection
- Lead the Razorpay payment integration, enabling PayJoy's expansion into a new market
- Lead Bitso payment processor integration, projected to reduce annual transaction costs by ~$1M while improving reliability and scalability
- Engineer a zero-to-production Kasnet integration — one of Peru's largest payment networks — enabling QR-code and e-wallet payments and unlocking up to $3M in projected annual savings
- Roll out offline code-generation workflows across engineering, product, and operations, mitigating regulatory risk in Brazil and strengthening operational resilience

Reshut Tech **Dec 2024 – May 2025**
Senior AI & Backend Engineer *Miami, USA · Remote*

- Led computer vision development for YOLOv7 and Detectron2 production models, improving accuracy and reliability through systematic fine-tuning and evaluation
- Architected GCP-based ML deployment workflows covering containerization, CI/CD, and auto-scaling, enabling consistent and repeatable production releases
- Introduced production monitoring and metric-based alerting for AI services, improving runtime reliability and cutting issue triage time
- Owned quarterly ML planning cycles with leadership, aligning engineering delivery to product goals and maintaining execution pace in an agile environment

Dataplicada **Aug 2020 – Nov 2024**
Co-founder & Data Scientist *Miami, USA · Remote*

- Built and deployed a RAG pipeline (LangChain, Llama3, GPT-4) that transformed large-scale customer feedback into actionable business insights
- Built Feedbacker from scratch, an end-to-end customer feedback product covering collection, analysis, and action
- Built Python ETL pipelines handling structured and unstructured data, accelerating data readiness for downstream analysis
- Scaled analytics platform to serve 100+ enterprise clients, enabling faster data-driven decision-making across their organizations

Tesla, Inc. **Sep 2022 – Dec 2022**
Software Engineer Intern *Reno, NV*

- Cut adhesive dispense waste by 20% by engineering real-time Python ETL pipelines that pinpointed Powerwall manufacturing bottlenecks
- Designed and built a predictive-maintenance system that forecasts Powerwall station failures from first-pass yield (FPY), downtime, and production telemetry, flagging at-risk stations before they go down
- Built Tableau dashboards and Python visualizations on Ignition SCADA data, giving production engineers clear visibility into Powerwall line performance
- Hardened assembly-station logic and data-integrity checks across 4+ Powerwall configurations, eliminating serial-number conflicts
- Established Kubernetes-based CI/CD with Docker and Jenkins, automating build, test, and release stages

Independent Consultant **Jan 2018 – Dec 2020**
Software Engineering Consultant (Toyota Chile, Ford Argentina) *Remote*

- Delivered a production VR showcase for Toyota Chile used in live customer-facing marketing campaigns
- Integrated Ford Argentina APIs into a multi-dealership CRM, improving vehicle-order tracking accuracy and reliability across sales teams