

# Jordan Kail

## Data Engineer

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📍 Denver, CO

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🌐 <https://github.com/jckail>

☆ Open to relocation, in office, and remote



## EXPERIENCE

### Prove Identity

#### Staff Data Engineer

📅 06/2023 - Present 📍 Denver, CO

- Spearheading company-wide refactor from on-prem Java + Oracle to cloud-based Go + Postgres, reducing core product API response time to 120ms and operational expenses by 95%.
- Built AI-driven Retrieval-Augmented Generation (RAG) chatbots with Airflow, LangChain, and OpenAI, automating 150+ human-hours weekly.
- Deployed an event-driven data streaming platform using Go, Flink, and Kafka, migrating 1,200+ batch jobs to real-time processing, enhancing data availability from days to minutes.

### Meta (Facebook)

#### Senior Data Engineer

📅 01/2021 - 09/2022 📍 Menlo Park, CA + Seattle, WA + Remote, USA

- Led data engineering efforts for Facebook Public Groups and Community Chats, managing a team of 10+ engineers.
- Developed and deployed 100+ ML pipelines with Airflow, Spark, and PyTorch, leveraging NLP, computer vision, and user segmentation to optimize ad targeting and notifications for billions of users.
- Designed an automated framework to dynamically generate thousands of async Spark data pipelines, increasing compute efficiency by 66%.
- Re-architected petabyte-scale data models, reducing storage costs by 25%.

### Deloitte

#### Consultant - AI & Advanced Analytics

📅 12/2018 - 12/2020 📍 Menlo Park, CA + Seattle, WA + Atlanta, GA

- Automated approximately 31% of human processed healthcare claims using transformer machine learning models, saving 250,000+ hours annually.
- Optimized exabyte-scale video reliability metrics, reducing daily processing time by 90% while expanding metric coverage.
- Led 20+ consultants on Fortune 50 engagements, translating client needs into actionable requirements and ensuring timely delivery of technical solutions.

### Wide Open West

#### Lead Data Scientist

📅 11/2017 - 12/2018 📍 Denver, CO

- Built Machine Learning applications using custom classification and churn models, driving a 22% YoY increase in customer package upgrades.
- Led a team of 5 data practitioners, providing BI and data insights to sales, product, and engineering teams company-wide.

### Common Spirit Health (Formerly CHI)

#### Data Engineer - Business Intelligence

📅 09/2016 - 11/2017 📍 Denver, CO

- Architected and delivered new rest APIs and data lakes, improving data processing time for external partner data products from 7 days to 5 minutes.

### AcuStream (Acquired by R1 RCM)

#### Software Engineer - Data

📅 04/2013 - 09/2016 📍 Boulder, CO

- Built a custom invoicing system leveraging rule-based algorithms and machine learning, driving over \$300M in annual recurring revenue.

## TECHNICAL SKILLS

### Programming

Python, SQL, GO, JavaScript, Rust, PHP, Java, Scala

### Big Data

Airflow, Kafka, Spark, Flink, DBT, Snowflake, Redis, Databricks, Iceberg, NoSQL, ProtoBuff, Neo4J, MongoDB, PostgreSQL, Tableau, ReDash, Streamlit

### AI & ML

OpenAI, LangChain, Llama.cpp, Ollama, Llama Index, PyTorch, TensorFlow, Hugging Face, Vector Databases, Embeddings, Agents, CuPy, Keras, Caffe, Scikit-Learn

### Amazon Web Services (AWS)

EMR, SageMaker, S3, Redshift, Glue, MWAA, RDS, Kinesis, Firehose, DynamoDB, Bedrock, SNS

### Google Cloud Platform (GCP)

BigQuery, Compute Engine, Dataflow, AutoML, Vertex AI Studio, PubSub, Cloud Run, Looker, Firebase

### Web Development

Docker, Kubernetes, FastAPI, Flask, Django, Svelte, React, Node.js, HTML, GraphQL, Gin, Retool, Json

## PROJECTS



### TechCrunch - "Join Group via QR"

Created the ability for Facebook group admins to invite users to their groups by generating a QR Code. Used by millions daily.

[TechCrunch](https://tny.app/lybucwkc) - <https://tny.app/lybucwkc>



### AI Agent Job Matching - Jobbr

Created a custom AI agent that matches a resume to available jobs at tech companies. Using Python, Langchain, FastAPI and OpenAI.

<https://github.com/jckail/jobbr>



### Loyalty Management App - Pointup.io

An AI web app for "All of your loyalty points in one place". <https://www.pointup.io/>

[https://github.com/jckail/point\\_bot](https://github.com/jckail/point_bot)



### Algorithmic Crypto Trading Project

Created crypto trading algorithm via scraped crypto, NASDAQ, and CPME rare minerals data. Made with Flask, Pandas, AWS and SageMaker.

[https://github.com/jckail/crypto\\_trader](https://github.com/jckail/crypto_trader)



### AI Developer Assistant - goPilot

A custom AI CLI tool to help debug, develop, and compile apps written in GO.

<https://github.com/jckail/goPilot>