

Jordan Kail

Data Engineer

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🌐 <https://jordan-kail.com/>

📍 Denver, CO - Open to relocation

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🔗 <https://github.com/jckail>



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 response time to 120ms and operational expenses by 95%.
- Built AI-driven Retrieval-Augmented Generation (RAG) chatbots with LangChain and OpenAI, automating 150+ human-hours weekly.
- Deployed an event-driven data streaming platform with Go and Kafka, migrating 1,200+ batch jobs to real-time processing, enhancing operational efficiency and data availability.

Meta (Facebook)

Senior Data Engineer

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

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

Deloitte

Consultant - AI & Advanced Analytics

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

- 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

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 direct report data practitioners, providing BI and data insights to sales, product, and engineering teams company-wide.

Catholic Health Initiatives

Data Engineer - Business Intelligence

📅 09/2016 - 11/2017 📍 Denver, CO

- Redesigned rest APIs and data lakes, reducing 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, driving \$300M+ in annual recurring revenue using a combination of rule-based algorithms and machine learning.

TECH SKILLS

Programming

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

Big Data

Airflow, Kafka, Spark, Flink, DBT, Snowflake, Redis, Databricks, Iceberg, Delta Lake, 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

ACHIEVEMENTS



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.

[Tech Crunch](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>



Created "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



Algorithmic Crypto Trading Project

Created crypto trading algorithm via scraped crypto, NASDAQ, and CPME rare minerals data. On AWS SageMaker with Flask, Boto3, pandas, Athena, and Beautiful Soup.

https://github.com/jckail/crypto_trader



goPilot

CLI tool to help build applications written in GO <https://github.com/jckail/goPilot>