Jordan Kail

AI | Data | Machine Learning

📞 571-218-5000   @ jckail13@gmail.com   📍 Denver, CO

🔗 github.com/jckail   🔗 linkedin.com/in/jckail/

🔗 jordan-kail.com

EXPERIENCE

Prove Identity

Staff Software Engineer - Data

📅 06/2023 - Present   📍 Remote, USA

- 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

- 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

Senior Data Engineer

📅 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

Data Engineer

📅 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)

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.

SKILLS

Programming

Python, Sql, JavaScript, TypeScript, Go, Rust, Scala

Big Data

Airflow, Kafka, Spark, Flink, DBT, Snowflake, Databricks, Iceberg, Redis, ProtoBuff, Neo4J, MongoDB, Postgres, PySpark, Streamlit

AI & ML

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

Web Development

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

Amazon Web Services (AWS)

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

Google Cloud Platform (GCP)

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

PROJECTS

🎓 AI Teaching Assistant - Super Teacher

Full stack AI powered web application to help teachers mange their students and provide recommendations and insights.
github.com/jckail/superteacher
the-super-teacher.com

</> AI Integrated Professional Portfolio

Custom full stack react web application with integrated AI showcasing my experience, projects and skills.
github.com/jckail/portfolio
jckail.com

✈ Loyalty Management App - PointUp.io

AI web app for managing "All of your hotel, credit card, and airline loyalty points in one place".
github.com/jckail/point_bot
pointup.io

💡 TechCrunch - Join Group via QR Code

Created the ability for Facebook group admins to invite users to their groups by generating a QR Code. Used by millions daily.
https://tny.app/lybucwkc

🤖 AI Agent Job Matching - Jobbr

Created a custom AI agent that matches a resume to available jobs at tech companies.
github.com/jckail/Jobbr