

MEMO RAMIREZ

Full-Stack Software & Data Engineer

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SUMMARY

Full-Stack Software and Data Engineer with 13+ years of experience building data-driven applications, distributed services, and ingestion pipelines. Strong across the stack in Python, Go, Java, and TypeScript (React), with deep experience designing extensible data systems, leading teams, and shipping production software at scale. Comfortable owning work end-to-end — from architecture and ETL pipelines to API design, front-end UX, and deployment.

EXPERIENCE

Senior Data Engineer · New Orleans Pelicans

2025 – 2026

- Built Airflow DAGs for live game data ingestion that compute per-quarter and full-game metrics consumed by the Analytics Team.
- Designed and shipped an extensible ingestion service that unifies player, league, and team data from disparate sources, abstracting away both source type (CSV, API, etc.) and entity type so new providers can be onboarded with minimal code.
- Implemented duplicate-detection auditing across overlapping data sources — including profile-image matching for hard-to-resolve player records and cosine-similarity techniques inspired by published player-ID matching research (e.g., American Soccer Analysis Glass Onion, Unravel Sports).
- Continuously refined ingestion quality, observability, and operational processes for the data platform.

Tech: Python, SQL, PySpark, pandas, scikit-learn, Airflow, dbt, FastAPI, React, TypeScript, Postgres, Redis, AWS (RDS, EC2)

Senior Data Engineer · Changeforce

2024 – 2025

Continuing as a consultant in the same capacity.

- Worked across the stack: shipped React features on the front end, updated/extended the company's Go-based API Gateway on the back end, and developed data pipelines for specific client projects.
- Built a daily Airflow data pipeline supporting a new business acquisition, ingesting external provider data for leads, client status, and staff tasks into the company's analytics stack.

Tech: Go, Python, TypeScript, React, Airflow, dbt, Postgres, Redis

Technical Team Lead — Assessment & HR Data Team · Mathison (Remote)

2022 – 2024

- Owned work across the SDLC while mentoring software and data engineers.
- Drove deployment frequency from one large release every two months to small releases every week, averaging 2.52 deployments per sprint, by improving review and release processes.
- Established and built a GraphQL Federated API Gateway in Go, improving performance and data-exchange between front-end clients and backend services.
- Architected data pipeline, in Java, for ATS and HRIS data ingestion from several external ATS providers.

Tech: Go, Java, Python, SQL, TypeScript, React, GraphQL

Senior Software Engineer · Mathison (Remote)

2021 – 2022

- Developed a micro-frontend architecture that improved application performance and simplified data exchange between front- and back-end services.
- Built a knowledge-center service in React + TypeScript backed by a headless CMS, streamlining content publishing and lifting user engagement.

Tech: React, TypeScript, Next.js

Software Engineer · TMS, Chicago

2018 – 2021

- Delivered high-traffic web and mobile apps for McDonald's — including the brand's most successful digital promotion at the time — recognized by multiple third-party industry awards.
- Built a Node.js (NestJS) middleware service in TypeScript with RxJS for an internal client tool supporting national retail-promotion operations.
- Contributed to internal SaaS applications in Java (RxJava, Vert.x) and PHP (Laravel).

Tech: TypeScript, React, Node.js, NestJS, Java, PHP

Senior Developer · VSA Partners, Chicago

2014 – 2018

- Architected and built a proprietary data-analytics API using a microservice pattern in Java Spring Boot.
- Developed data pipelines in Java Spring and Python to ensure clients can bench-test advertising campaigns — recognized with a company-wide award.
- Developed web applications in Angular, React, and PHP (WordPress, Laravel).

Tech: Java, Spring, Python, React, Angular, Node.js, PHP, Docker

Earlier: Contract software and data engineering roles at VSA Partners and Thomson Reuters, 2012–2014.

TECHNICAL SKILLS

Languages: Python, Go, Java, SQL, TypeScript / JavaScript

Front-End: React, Next.js, Angular, micro-frontends

Back-End Frameworks: FastAPI, Spring Boot, GraphQL (Federation), Node.js / NestJS

Data & ML: Airflow, dbt, PySpark, Spark, pandas, scikit-learn, entity resolution / record linkage

Infrastructure: AWS (RDS, EC2), Postgres, Redis, Docker, Kubernetes, Kafka

AWARDS

VSA Values Award — Recognized for implementing data pipelines that ingested and merged disparate marketing data and creating a data analytics application that allowed the client to bench-test advertising campaigns.