

# Diego Lafuente

## Data Systems Architect

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### PROFESSIONAL SUMMARY

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Systems-oriented builder with 12+ years architecting data pipelines, platform implementations, and autonomous workflow systems across insurance technology, benefits administration, and pension domains. Designing and orchestrating enterprise data solutions while building agentic workflow systems. Managed operations for 15 clients, directed teams of 20+ analysts and developers, and delivered \$800K+ in change order revenue. Expanding deep data engineering expertise across wider architectural surfaces.

### PROFESSIONAL EXPERIENCE

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#### **Data Consultant** — Pension & Retirement ~2 years

- Design legacy-to-AWS cloud migration architecture for 30+ customer data exchange infrastructure
- Build RazorBridge — React/Express/TypeScript ETL platform generating production Razor templates from visual field mapping UI (70+ DTOs, 47 model methods, 52 legacy templates analyzed)
- Engineer companion LogBridge (monitoring) and DataForge (transformation) applications
- Lead SFTP inventory — reverse engineering of entire legacy data transmission ecosystem
- Build SSIS survey pipeline with daily extraction, per-client CSV generation, cooldown logic
- Design 3 AWS Daxter cloud pipelines (Monday.com ETL, financial advisor dashboard, HubSpot→TalentLMS)
- Engineer Datadog log pipeline with SFTP log parsing and structured attribute mapping
- Build time entry automation (Azure DevOps + 7Pace → Acumatica billing)
- Automate file pipeline (PGP decryption → mapping template → CSV → archival → upload)
- Engineer Razor CSHTML templates for customer census imports and payment exports
- Produce two comprehensive knowledge bases (SecureSend Files + Asset Processing)
- Lead data conversion workflows for new pension client implementations
- Design data model integrity improvements for pension systems
- Perform parallel testing for payroll and actuarial valuations
- Contributing to data model integrity initiative improving data validations and system capability for data updates
- Designed and executed legacy-to-AWS cloud migration for 30+ customer data exchange infrastructure with per-customer baseline audits, JSON schemas, and cutover runbooks
- Built RazorBridge ETL platform cataloging 70+ business objects mapped to 47 model methods extracted from 52 legacy Razor templates

#### **Data/Cloud Engineer** — **Digital Evidence Migration** — Insurance Technology <1 year

- Engineer cloud migration platform for law enforcement digital evidence systems
- Build config-driven CLI migration tools abstracting vendor complexity (WatchGuard, Coban, Panasonic, Indico, Edisix, L3)
- Design high-concurrency Azure Databricks loader scripts for evidence payloads
- Develop Evidence.com Partner API integration layer
- Create JSON-based auditing framework with gap analysis tools

- Build Databricks SDK clients with mocking frameworks
- Overhaul team documentation using Diataxis Framework

### **Senior Solution Manager** — Insurance Technology

~1 year

- Lead modular pension system implementations for multi-employer pension plan and public pension fund clients
- Translate complex pension requirements into actionable agile stories
- Manage system stabilization efforts while balancing new feature delivery
- Design automation for retroactive coverage with downstream life event processing
- Architect system batch job dashboards and scheduling workflows
- Stabilized multi-employer pension system and delivered \$600K+ in change order revenue
- Translated pension requirements into 1500+ agile stories for public pension fund implementation
- Designed automation for retroactive coverage processing with downstream life event automation for multi-employer pension plan

### **Operations Manager — Data Integration Architecture** — Benefits Administration

8+ years

- Design SQL/SSIS integration pipelines for vendor data feeds (EDI 834, flat files, position-based formats, feedback loops)
- Lead integration pipeline design across 20+ analysts, developers, and managers
- Lead 10+ data conversion projects for client onboarding and migrations
- Design and implement 25+ vendor interface integrations (insurance carriers, payroll providers, and benefits vendors)
- Maintain COBRA, ACA, and PHI compliance across all data integration touchpoints
- Drive agile transformation across delivery teams
- Manage client deconversions including enterprise clients across multiple industries
- Managed operations serving 1M+ benefit plan participants across 15 enterprise clients
- Delivered \$800K+ in change order revenue across client portfolio
- Built and managed 25+ vendor interface integrations including insurance carriers, retirement providers, DCFSA administrators, payroll systems, and closed loop files
- Led 10+ data conversion projects for client implementations and migrations
- Directed teams of 20+ analysts, developers, and managers across multiple client delivery streams
- Successfully defended enterprise client deconversion against lawsuit by conducting transaction-level review demonstrating no operational liability
- Managed team turnover through strategic hiring, training, resource planning, engagement action plans, and performance management

### **Integrations Analyst 3** — Benefits Administration

~2 years

- Design and maintain data integration pipelines for benefits administration platform
- Build and optimize vendor interface feeds and data transformations
- Collaborate with client teams on data conversion and onboarding workflows
- Positioned for promotion to Data Architect within first 18 months

## PRODUCTS & PROJECTS

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### AI-Powered Orchestration Systems

Model-agnostic multi-agent orchestration framework that coordinates Claude (Anthropic), Codex (OpenAI), Cursor, and Gemini (Google) through structured execution control plans with human governance loops. Powers development workflows across Cascade, Runner's Review, and Career-Ops.

Tech: Python, SQLite, tmux, Slack API, Claude API, OpenAI Codex, Multi-Model Orchestration

### Cascade

Benefits intelligence SaaS platform (Aquaduct Cascade) that aggregates regulatory RSS feeds, tracks M&A activity, monitors compliance alerts, and surfaces plan design changes. Feeds structured data into Runner's Review via REST API data contracts.

Tech: Next.js, React, Prisma, PostgreSQL, AWS (Lambda, S3, CloudFront), Terraform, RSS/Atom, REST API

### Runner's Review

Data-driven running performance analysis application that ingests training logs and race results from multiple sources (Garmin, Strava APIs), normalizes heterogeneous data formats, and produces pacing recommendations, split analysis, and progression tracking through automated pipelines.

Tech: Python, pandas, REST APIs, SQLite, Data Modeling, Matplotlib

### Career-Ops

Autonomous career lifecycle management platform covering resume engineering, document generation, job hunting automation, and career trajectory planning. Uses multi-agent orchestration with Scaled Agile Framework methodology adapted for solo operation.

Tech: Python, JSON Schema, Jinja2, YAML, SQLite, GitHub Actions

## TECHNICAL SKILLS

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**Data Systems:** Data Modeling, Data Pipeline Design & Orchestration, SQL, ETL / Data Transformation, Data Conversion & Migration

**Architecture & Automation:** Agentic / Autonomous Workflow Design, Interface & Integration Architecture, Batch Processing & Job Scheduling, System Architecture & Design

**Engineering Stack:** Python, APIs / REST, JavaScript / Node.js, YAML / JSON / XML, EDI (834, 820), Git / Version Control, Oracle

**Domain Expertise:** Benefits Administration, Pension Administration, Insurance Technology, Regulatory Compliance (COBRA, HIPAA)

**Leadership & Delivery:** Team Management (20+ reports), Client Relationship Management, SAFe / Agile (Product Owner certified), Project / Program Management, Change Order / Revenue Management

**Extracted Skills (Pending Review):** Azure, Confluence, Excel, Jira, Powershell, Xslt

## CERTIFICATIONS

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Scaled Agile (SAFe) Product Owner / Product Manager — Scaled Agile, Inc. (2021)

## **EDUCATION**

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**Associate of Arts** — Valencia College