

Gabriel Cano

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TECHNICAL SKILLS

- **Tools:** Python, Java, C, SQL, PySpark, Git, AWS, Docker, Bash, Linux, Azure DevOps

EXPERIENCE

Deloitte, Senior Data Scientist (April 2021- April 2025)

- Work on Deloitte's Pallium AI product, which is provided to government clients for flagging potential fraud, waste, and abuse (FWA) in Medicaid claims and SNAP applications.
- Develop and productionize a suite of PyTorch deep-learning models for fraud analytics.
- Conduct exploratory data analysis on massive datasets using AWS EMR clusters, Sagemaker, and Python/PySpark to inform product strategy.
- Implement end-to-end Azure DevOps CI/CD pipelines that automatically run unit tests and security scans, then build and tag Docker images as versioned artifacts for consistent, reliable releases.
- Architect containerized FastAPI applications and deploy on AWS (Step Functions, Fargate, Lambda) for concurrent, scalable communication between client system and Pallium's engine.
- Integrate Generative AI (LLM) capabilities into our product using a Llama API and prompt engineering, providing a curated message to the user regarding risky aspects of the case.
- Create automated batch processes with AWS (Glue, Athena) that run client SNAP data through deployed risk models before extracting results to be visualized via client case worker dashboards.
- Act as Scrum Master for a six-person team on Pallium, which involves planning out tasks and managing team member's progress and impediments using Agile Methodology.
- Serve as a technical mentor for junior data scientists on the team via in-person code reviews, help with debugging, system design walkthroughs, and shell scripting tips.
- Present recommendations to non-technical leadership and agency executives based on model results and validation testing, describing key technical concepts with high-level terminology.

Epic Systems, Project Manager (Jan 2019-August 2020)

- Implemented Tapestry, Epic's revenue cycle management app, for health systems across the U.S.
- Led analysts teams through install of Epic software, from initial scoping to go-live.
- Collaborated daily with Johns Hopkins Health Care executive leadership to architect their claims adjudication and utilization management workflows.
- Gained sophisticated knowledge of health plan revenue operations, Medicaid policy, claims data models, and adhering to HIPAA/HITECH regulation.

EDUCATION AND CERTIFICATIONS

Relevant Courses: Calculus, Statistics, Linear Algebra, Discrete Math, Data Structures/Algorithms in Java, Unix/Linux Systems Programming in C (3.92 GPA)

Post-Baccalaureate Coursework, Harvard Ext School and University of Illinois (2024-2025)

AWS Cloud Practitioner Certificate, Amazon Web Services

Certified SAFE 5 Scrum Master, Scaled Agile Inc.

General Assembly, Data Science Immersive Program (2020-2021)

Tufts University (2014-2018)