

ANTON RASMUSSEN

Senior Data Engineer | Healthcare Data Platforms

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PROFESSIONAL SUMMARY

Senior Data Engineer with 7+ years of experience building scalable healthcare data platforms and retail pharmacy solutions. Specialized in cloud-native pipelines, high-throughput data ingestion, and HIPAA-compliant data quality frameworks. Expert in Spark, Python, Dagster, dbt, and GCP (BigQuery, Cloud Run, GKE) with a proven track record of designing resilient data architectures that power analytics and AI/ML workflows, shaping data into assets that drive measurable business and clinical outcomes.

PROFESSIONAL EXPERIENCE

Cityblock Health | Senior Data Engineer (2022 – Present)

- **Data Infrastructure & Quality:** Designed resilient ingestion frameworks handling 120+ SFTP/API sources, enabling batch ingestion of data at scale (hundreds of terabytes monthly) with schema validation and automated error recovery. Built a comprehensive data quality framework with automated validation rules, profiling tools, and dbt-integrated test metadata. Transformed raw clinical/claims data into actionable datasets that improved business outcomes, collaborating cross-functionally with Product Managers and Data Scientists to ensure data assets directly supported business growth and customer reporting needs.
- **Performance & Reliability:** Migrated 60+ legacy DAGs to Dagster on GKE, reducing pipeline failures by 25% and lowering ingestion SLA breaches by 30%. Deployed standardized Datadog monitoring, tripling actionable warnings and cutting triage time by 40%.
- **Developer Experience & Leadership:** Delivered Python + Cloud Run client onboarding tool to proactively detect schema issues, saving 200+ engineer hours annually. Introduced modular pipeline templates and documentation practices that reduced onboarding time for new engineers. Served as interim Scrum Master & Product Manager, driving platform migration projects with 10 engineers to on-time, under-budget launch. Extended platform data assets by modeling standardized schemas and reusable data layers in BigQuery, improving downstream analytics and product adoption.

Walmart Global Tech | Software/Data Engineer III (2019 – 2022)

- **Pipeline Architecture:** Architected and migrated 5 TB/day pharmacy claims ETL pipeline to BigQuery, reducing query costs by 35% and runtime by 60%. Built high-throughput streaming systems with Spark + Kafka for real-time KPI dashboards across 5,000 stores.
- **Data Quality & Analytics:** Automated Python data quality checks, cutting manual QA effort by 45%. Developed real-time anomaly detection visualizations (Angular/D3), reducing data latency from 24 hours to 1 hour.

Revature (Walmart Labs Contract) | Software Engineer, Big Data (2018 – 2019)

- Developed MapReduce and Spark jobs in Java/Scala for pharmacy analytics pipelines.
- Automated provisioning of Hadoop/HDInsight clusters via CI/CD, accelerating big data adoption.
- Implemented workflow orchestration with Oozie to support high-volume processing.

U.S. Army | Human Intelligence Collector / Linguist (2004 – 2011)

- Led 150+ HUMINT missions in Afghanistan, leveraging Persian language skills and data analysis.
- Trained and mentored 8-10 soldiers on reporting and analysis best practices.

EDUCATION

- M.S. Computer Science | Old Dominion University | 2022 – 2025
- B.S. Computer Science, Minor: Cybersecurity | Old Dominion University | 2020 – 2022
- B.S. Economics, Actuarial Mathematics Emphasis | George Mason University | 2010 – 2012
- A.A. Persian Studies | Defense Language Institute | 2005 – 2006

TECHNICAL SKILLS

- **Healthcare Domain:** Claims processing, data de-identification, EHR systems, HIPAA-compliant workflows
- **Cloud & Data Platforms:** GCP (BigQuery, Cloud Run, GKE), Hadoop, Kafka, Spark
- **Data Engineering:** Batch & Streaming Pipelines at Scale with Airflow, Dagster, dbt, Parquet, Pub/Sub, Python, Oozie, SQL
- **DevOps & Orchestration:** CI/CD pipelines, GitHub Actions, Helm
- **Data Quality & Observability:** Automated profiling, Datadog, monitoring systems, validation frameworks
- **Leadership & Collaboration:** Agile methodologies, cross-functional delivery, product ownership, technical mentorship