

Adaeze Nwosu-Bergström

Principal Backend Developer, Event Platform | Senior Backend Developer | Software Developer

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PROFESSIONAL SUMMARY

Principal backend developer with 14 years designing APIs and data-intensive services. Leads the shared event platform at a healthcare software company, setting standards for schemas, retries, data retention and service ownership across 15 teams.

PROFESSIONAL EXPERIENCE

Principal Backend Developer, Event Platform

Feb 2020 — Present

Front Range Health Systems · Denver, CO

- Designed and lead the company event platform on Kafka with enforced Avro schemas, now the backbone for scheduling, billing and patient messaging across 15 teams.
- Introduced service level objectives and error budgets for core APIs, giving product and engineering leaders a shared rule for when to pause features.
- Led the migration of patient records access from a shared database to owned services with audited gRPC APIs, simplifying HIPAA access reviews.
- Run the backend architecture review, mentoring senior engineers on design documents, failure analysis and the trade-offs between consistency and availability.

Senior Backend Developer

Mar 2015 — Jan 2020

Summit Ridge Insurance Tech · Denver, CO

- Rebuilt the quoting engine as stateless Java services behind a rules cache, letting the team launch products in new states without code changes.
- Moved claims document storage to Cassandra with time-based compaction, handling seasonal storm surges without emergency capacity work.
- Led blameless postmortems after two major outages and turned the findings into retries with jitter, circuit breakers and better alert thresholds.

Software Developer

Jun 2011 — Feb 2015

Platte River Data · Denver, CO

- Wrote Java batch jobs that imported county property records from inconsistent file formats into a normalized MySQL schema for analytics customers.
- Built the company's first public REST API with key-based authentication and usage metering, which later became a paid product tier.

EDUCATION

MS, Computer Science — Colorado Plains University

2011

SKILLS

Technical: Java, Kotlin, Kafka and Schema Registry, PostgreSQL, Cassandra, gRPC, Event-driven architecture, Kubernetes, AWS, Service level objectives, HIPAA-aware data handling, Architecture reviews, Technical leadership

Certifications: Confluent Certified Developer for Apache Kafka · AWS Certified Solutions Architect – Professional