Ann Lee

Senior Software Engineer · Backend & Distributed Systems

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SUMMARY

Backend engineer with 7 years building payment and data platforms. Cut ledger p99 latency from 480ms to 190ms at 40M transactions a day and saved $1.2M a year in compute; leads design reviews and mentors 4 engineers.

EXPERIENCE

Brightwave Payments Mar 2022 - Present
Senior Software Engineer *San Francisco, CA*

- Redesigned the ledger write path on Kafka and PostgreSQL, cutting p99 latency from 480ms to 190ms for 40M daily transactions
- Led the migration of 22 services to Kubernetes, reducing compute spend by $1.2M a year with zero customer-facing downtime
- Introduced contract tests across 9 teams, lowering production incidents caused by integration bugs by 45%
- Mentored 4 engineers through design reviews and pairing; two were promoted to senior within 18 months

Lumen Analytics Jul 2019 - Feb 2022
Software Engineer *Seattle, WA*

- Built a streaming ETL pipeline (Flink, S3, Parquet) processing 3TB a day, replacing a nightly batch job so dashboards update in real time
- Shipped a multi-tenant query cache in Go that served 85% of reads and cut warehouse cost by 38% at flat query latency
- Owned on-call tooling; reduced mean time to recovery from 52 to 18 minutes

PROJECTS

pgqueue (open source)

- Postgres-backed job queue in Go with 1.4k GitHub stars, used in production by 30+ companies

EDUCATION

University of Washington 2015 - 2019
B.S. Computer Science · GPA 3.8/4.0 *Seattle, WA*

SKILLS

Languages: Go, Python, Java, SQL
Infrastructure: Kafka, PostgreSQL, Kubernetes, AWS, Terraform, Flink

CERTIFICATIONS

AWS Certified Solutions Architect – Associate