

Leondis Evans

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Distributed Systems · Cloud Platforms · Observability · Infrastructure

SUMMARY

Backend and platform engineer with 10+ years delivering distributed systems, cloud platforms, and observability. Owns cross-team technical direction—standardizing how services are instrumented and operated, cutting material infrastructure cost, and mentoring engineers to ship reliably at scale.

EXPERIENCE

Caterpillar — Lead Software Engineer

Jun 2021 – Present

- Owned design and rollout of an org-level OpenTelemetry observability platform (Loki, Mimir, Tempo, Grafana) that standardized metrics, logging, and tracing across distributed systems
- Redesigned high-cost data pipelines, cutting ~\$40K/month (~\$480K/year) in infrastructure spend through performance and efficiency improvements while preserving operational requirements
- Drove observability standards across teams, improving incident detection and reducing mean time to resolution
- Led targeted modernization that closed critical reliability gaps on legacy paths and restored contractual availability SLAs (raised reliability into the 85–90% SLA range from prior breach-prone operation)
- Established DevOps practices (CI/CD, monitoring, deployment automation), increasing deployment velocity and system stability
- Raised the engineering bar across onshore/offshore teams via mentoring, design guidance, and practices adopted across multiple teams

Redbox — Senior Software Engineer

Sept 2018 – Jun 2021

- Designed and owned a multi-channel notification platform (email, SMS, push, in-app) serving millions of customers at high daily message volume
- Built event-driven delivery pipelines with retries, dead-letter handling, and idempotency so customer communications stayed reliable under failure and load
- Worked across Customer and Product teams to define requirements and ship real-time / near-real-time messaging for core product flows, reducing reliance on batch-only paths
- Built an in-house email solution for simpler transactional traffic (returns, receipts, reminders), replacing Adobe Campaign Manager for those flows where its full campaign stack added unnecessary cost and complexity
- Led the AWS migration strategy for notification and related workloads—target architecture, phased roadmap, and risk mitigation for cutover
- Hardened production operations for the notification stack (monitoring, failure playbooks, deployment safety), improving delivery confidence and reducing incident toil

Milwaukee Tool — Software Developer

Mar 2018 – Sept 2018

- Delivered performance and SEO improvements that increased organic traffic by 60%+
- Partnered with cross-functional stakeholders to align technical delivery with business goals

CoreLogic — Senior Professional Software Engineer

Nov 2015 – Mar 2018

- Re-architected legacy systems into service-oriented architecture (SOA), improving scalability and development speed
- Built SLA reporting systems eliminating contractual penalties and improving compliance
- Led design reviews and technical direction for the SOA modernization across distributed onshore and partner teams, aligning service boundaries with Product and keeping delivery unblocked
- Partnered with QA to strengthen automated testing with Selenium, improving coverage and confidence in regression cycles

EDUCATION

M.S. Computer Science — Machine Learning (Expected 2026) — Georgia Institute of Technology

B.S. Computer Science — University of Advancing Technology

SKILLS

Languages: C#, Python, Java, C++, PHP

Backend: .NET, Python, Spring Boot, REST APIs, SOA, microservices

AWS: SQS, SNS, SES, EC2, S3, Lambda, ECS, ECR, Kinesis, Secrets Manager, Certificate Manager

Azure: VMs, Playbooks

Data: MySQL, PostgreSQL, DynamoDB, Elasticsearch, Redis, Snowflake, Oracle

Messaging: Event-driven pipelines, RabbitMQ

Observability: OpenTelemetry, Loki, Mimir, Tempo, Grafana

DevOps: Docker, CI/CD, GitHub Actions, Azure DevOps

Quality: Selenium, Playwright