Adrian Madrid

Staff / Senior Backend Engineer

Salt Lake City area, UT | adrian.madrid@timeworxs.com | linkedin.com/in/aemadrid | github.com/aemadrid | timeworxs.com

Distributed Systems | Payments | Reliability | Ruby on Rails

PROFESSIONAL SUMMARY

Staff / senior backend engineer with 20+ years building backend and distributed systems, 15+ of them on payment platforms (ACH, card, virtual card) where correctness, reconciliation, and recovery are the job. Ruby on Rails specialist on AWS and GCP; ships with AI coding agents under CI-enforced guardrails.

- Cut payment-incident recovery from hours to minutes at Acima Credit by adding structured logging, correlation IDs, distributed tracing and SLO-driven monitoring to its payment systems.
- Led 100+ production migrations without downtime at Acima Credit, through ADRs, phased rollouts and cross-team design review.
- Defined reconciliation guarantees and ledger-adjacent schemas for Acima Credit's payment systems, giving full traceability and safe backfills.

PROFESSIONAL EXPERIENCE

pmtbox, Orem, UT — May 2026 – Nov 2026
Senior Software Engineer

- Designed and shipped a versioned public API and its projection pipeline in Ruby on Rails, with declared payload contracts and idempotent retries.
- Built the production-data privacy program end to end — safe development data, automated policy enforcement, and fail-closed safeguards.
- Owned reliability and observability — SLOs, dashboards, and alerting defined as code, queue and latency instrumentation, alert-noise reduction, and load testing to find saturation points before production did.
- Authored architecture decision records and made each standard enforceable in CI rather than in review; built tooling so AI-assisted development ships under the same automated guardrails.

Acima Credit, Draper, UT — Nov 2013 – Apr 2026
Senior / Lead Developer

- Owned architecture and delivery of distributed payment systems (ACH, card, virtual card, and alternative methods) across 10+ processor and bank integrations on Kubernetes, Docker, and AWS, with fail-closed safeguards on settlement.
- Architected event-driven services with Ruby on Rails, Kafka, SQS, Sidekiq, PostgreSQL, Redis, and AWS, creating idempotent workflows and DLQ/backfill strategies with replay tooling.
- Defined reconciliation guarantees and ledger-adjacent schemas that provided full traceability and enabled safe backfills.
- Implemented structured logging, correlation IDs, distributed tracing, and SLO-driven monitoring, cutting payment-incident recovery from hours to minutes.
- Authored ADRs and migration plans, and led 100+ production migrations without downtime through phased rollouts and cross-team design review.
- Mentored 10+ engineers through pairing and design review, establishing shared ownership and clearer design-review practices.

North Point Advisors, Springville, UT — Sep 2010 – Aug 2013
Lead Developer

- Built, upgraded, and ran consumer-lending payment software with card and ACH processing through third-party processor APIs.
- Led backend architecture and API redesigns across multiple applications, improving reliability and maintainability through schema and deployment changes.

Earlier: Senior Developer, MyEBiz / Alliance Health, Salt Lake City, UT (Mar 2009 – Aug 2010); Lead Developer, HyperXMedia / Prefab Markets, Sandy, UT (Jun 2002 – Feb 2009), web development and Linux infrastructure.

TECHNICAL SKILLS

Languages & Frameworks: Ruby, Ruby on Rails, ActiveRecord, Hotwire / Turbo / Stimulus, JavaScript

Data: PostgreSQL, PostGIS, MySQL, Redis

Messaging & Async: Kafka, Amazon SQS, Sidekiq

Cloud & Infrastructure: AWS, Google Cloud Platform (Cloud Run, Cloud SQL, Cloud DNS), Kubernetes, Docker, Terraform / OpenTofu

CI/CD & Delivery: GitHub Actions, CI/CD, TDD, RSpec, Code Review

Observability & Reliability: Prometheus / Grafana, OpenTelemetry, New Relic, Sentry, k6, Reliability Engineering, Incident Response / On-call

Architecture: System Design, Event-Driven Architecture, Data Modeling / Schema Evolution, REST / JSON

AI: AI-assisted development / coding agents (Claude Code), AI code review

SELECTED PROJECTS

timeworxs.com — this resume, as a build pipeline
Astro site on Cloudflare Workers where every resume fact lives in one typed module, rendered to both a styled page and a deliberately plain ATS view that generates the PDF — so the document a reader downloads cannot drift from the site they read it on.

EDUCATION

Brigham Young University

Coursework in Information Management