AJ Tran

Software Engineer

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Full-stack engineer, strongest in Ruby. Comfortable working across Python, TypeScript, and Java. Scales systems, modernizes legacy code, and ships clean architecture with real test coverage.

Technical Skills

Backend:	Ruby (Rails, RSpec), Java (Dropwizard, Dagger, JUnit)
APIs:	GraphQL, REST
Fullstack JS:	TypeScript, React, Next.js, Node.js, Express, Jest
DevOps & Cloud:	Terraform, Docker, Kubernetes, Argo CD, Jenkins, AWS, Azure
Databases & Messaging:	PostgreSQL, MySQL, MongoDB, Redis, Kafka

Professional Experience

Software Engineer – New Relic | Oct 2021 – Present

- Delivered a GraphQL API handling 6,000+ daily requests for a key enterprise customer
- Refactored Rails 3 monolith into Rails 7 service-oriented architecture, cutting 10K+ lines of debt and accelerating feature delivery
- Scaled Java telemetry platform's metric data pipeline with striping architecture to support infinite ingest, unlocking larger customer onboarding
- Raised test coverage to 95%+ across Ruby and Java services; built observability and alerting for sub-5-minute MTTA
- Mentored 2 junior engineers while shipping a CLI tool to scaffold Rails GraphQL APIs
- Integrated AI tools (Claude, Gemini) into code review workflow, improving team velocity by 20%

Additional Experience

JavaScript TA – Grand Circus – Mentored 20+ bootcamp students via live code reviews and tutoring, helping them build portfolio-ready projects; Co-taught full-stack TypeScript/React/Node/MongoDB curriculum across two 6-month cohorts

Python Instructor – Treehouse – Produced 3 Python courses (8+ hours) on data structures, analysis, and visualization; Wrote scripts, designed hands-on projects, and delivered screencasts for self-paced learners

Projects

Lyrical Analysis | Python, Flask, PostgreSQL, Celery, Redis | Live Demo | GitHub
Natural Language Processing app analyzing lyrics for themes, sentiment, and emotions in 8 categories; Resilient lyrics pipeline with circuit breakers and multi-source fallback; Async pipeline for 30-60s analyses

LearnForge Learning Management System | Rails, PostgreSQL, Hotwire | Live Demo | GitHub
Course authoring, enrollment, progress tracking; Real-time UI with Turbo Frames and Streams