Anthony Wohlfeil

Ann Arbor, MI anthonywohlfeil@gmail.com

Skills

Languages	Python, Java, C/C++, TypeScript, SQL
Cloud & Backend	AWS (Lambda, Kinesis, S3, DynamoDB, EC2, IAM, CloudWatch), REST APIs, CI/CD pipelines, Docker, Redis
Frameworks & Tools	Spring Boot, React, Git, Computer Vision, LLMs

Education

B.S.E. Computer Engineering
Sep 2016 — Apr 2020

University of Michigan • Ann Arbor, MI

Experience

Independent Developer
Feb 2025 — Present

Self-Employed • Ann Arbor, MI

- Built Resume Revamped - a resume builder with deterministic rendering and LLM integrations; owned API schema design, and data modeling (20+ users, ~1.8k monthly unique visitors).
- Built and operate a map-based food review platform with 170+ structured entries, designing ingestion pipelines, geospatial querying, and API-level rate limiting.

Software Development Engineer II
Jun 2020 — Feb 2025

Amazon • Detroit, MI

- Owned on-call operations for an API platform handling 120B+ monthly requests, designing CloudWatch monitoring, autoscaling, and alarm strategies that reduced response times by ~90% during high-severity incidents.
- Designed, built, and led the migration of a usage metrics data pipeline (Lambda, Kinesis, S3) processing 160M+ records/hour with 99.99% availability.
- Led a large-scale traffic migration within the SP-API control plane, creating and validating new endpoints, executing a safe rollout for ~200M daily requests, and coordinating across multiple international teams.
- Mentored 4 junior engineers, including coaching an engineer from intern through mid-level promotion.

Software Engineer
Mar 2019 — Jun 2020

Mcity / University of Michigan • Ann Arbor, MI

- Trained and evaluated an object detection model and built a custom computer-vision pipeline enabling labeling of 50+ object classes for industry research partners.
- Built and operated an AWS-based video processing pipeline (Batch, Lambda, S3), containerizing GPU-accelerated workloads using Docker to automate analysis of 10,000+ hours of autonomous-vehicle footage.