


Chad Gratts

Software Engineer

✉ garrettgratts21@gmail.com 📍 New York, NY 🔗 Dev Portfolio 🐙 Github 🌐 LinkedIn

PROFESSIONAL EXPERIENCE

Software Engineer | AI & Backend Systems, Providence  Aug 2024 – present
Open-source, AI-integrated session replay tool

- Optimized data transformation pipelines to convert raw session data into structured natural language, enhancing usability for analytics and decision-making.
- Integrated third-party APIs to capture and process user session data, enabling detailed insights for improving user experience and marketing performance.
- Designed and implemented an intelligent session segmentation algorithm that ensures temporal coherence while optimizing for AI token limits.
- Developed a retrieval-augmented generation (RAG) system to surface insights from user session data, improving data-driven decision-making for product and marketing teams.
- Built scalable AWS infrastructure with CloudFormation, securing high availability and fault tolerance across multiple zones to support real-time analytics.
- Collaborated cross-functionally in an Agile/Scrum team to refine system architecture, build features, and implement performance monitoring for iterative optimization.

Open-Source Contributor, Mastra.AI Feb 2025 – Mar 2025

- Integrated Google and Azure voice APIs, expanding its Text-to-Speech provider support
- Implemented integration tests with Vitest and real-time API verification

Software Engineer, Projects Feb 2022 – May 2024

- Developed Requesty, a webhook and HTTP request inspection tool, handling real-time API traffic for debugging and analytics. (TypeScript, React, Node.js, Express, MongoDB, Nginx)
- RentalFlow, an apartment hunting planner (Ruby, PostgreSQL, Sinatra, Handlebars, AJAX)

Flautist, Independent Musician Jun 2020 – Jan 2022

- Performed as a soloist and ensemble member across various events (choirs, recitals, live theater)
- Developed strong discipline, adaptability, and teamwork skills, similar to software engineering.

EDUCATION

Launch School, Computer Software Engineering Feb 2022 – May 2024
Multi-year, mastery-based software engineering curriculum. Read more at launchschool.com/employers

University of Texas Arlington, Bachelor of Arts Aug 2016 – May 2020
Classical Flute Performance

SKILLS

Backend

Node.js, Express.js, Python, PostgreSQL, MongoDB, Redis, Qdrant, REST APIs, NoSQL

Cloud

AWS (ECS, EC2, ELB, VPC, CloudFormation, IAM), Digital Ocean, Azure, PaaS

Frontend

JavaScript, Typescript, React, jQuery, Handlebars, HTML, CSS, Vue.js

Other

Git/GitHub, Docker, Hugging Face, Retrieval Augmented-Generation (RAG), CI/CD, LLM APIs