



# Aster Audrey Ryan

## Software Engineer

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## SKILLS

### JavaScript + TypeScript (10 years)

**Node.js** (10 yrs), **React** (10 yrs) + **Redux**, **Angular** (6 yrs), **Solid.js** (2 yrs), **GraphQL** (5 yrs), **Next.JS** (5 yrs), **Apollo** + **Express** (5 yrs), **Jest** (10 yrs) + **Cypress** + **Playwright**

### Ruby + Rails (10 years)

**Rails** versions 2 - Current (10 yrs), **RSpec** (10 yrs), Contributions to **ActiveRecord**

### Full Stack Engineering

**PostgreSQL** (10 yrs), **HTML** + **CSS/SASS** (10 yrs), **AWS** (10 yrs), **New Relic** (9 yrs), **Sentry** (8 yrs), **Datadog** (4 yrs),

### Product Ownership + Technical Mentoring

**Architecture** Specs, **Communication** w/ stakeholders + external, **Alerting** + **Reporting**  
Guiding junior engineers to build skills, break down problems, write maintainable code

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## EXPERIENCE

- MIX NYC Film Festival:** Director of Production May '24 - Present
- Bubble:** Senior Software Engineer / Interim Manager 2023 - May '24
  - Implemented new frontend Design System to **improve modularity** in existing custom legacy client-side framework, and coordinated adoption across teams
  - Shipped several significant frontend UI Modernization projects in the Bubble App Editor, **increasing user retention** through improved UX + **improving performance**
  - Implemented Memory Observability framework for **detecting client-side memory leaks**
- Talkiatry:** Staff Software Engineer 2021 - 2023
  - Led application team as **second technical hire**, growing to team of eight engineers + design, QA, and product
  - Scoped and built internal and patient-facing applications from the ground up, implemented component library based on company design language
  - Implemented **HIPAA-compliant authentication / access controls** for patients + admin
- Cityblock Health:** Staff Software Engineer 2019 - 2020
  - Led team of three engineers** by running sprint planning, holding office hours for pairing sessions, and overseeing code review to ensure quality and consistency
  - Designed and implemented new code standards, including a GraphQL/Objection.js overhaul for **improved query performance**, and move to React function components + GraphQL hooks for improved typechecking to **decrease regressions shipped**
- Genius:** Software Engineer 2016 - 2019
  - Built export infrastructure to provide lyrics to Apple Music on a semi-hourly basis, **decreased export times from hours to seconds**, wrote ops documentation and implemented alerting and reporting to meet SLA
  - Maintained a Rails 2 app well past end-of-life: **patched ActiveRecord** to bring PostgreSQL 10 support, wrote a **RFC 1952-compliant Gzip Reader**, and patched CVEs
  - Assisted in ground-up homepage redesign for **increased engagement**: built new APIs for web and mobile apps, built filtered charts feature, implemented visual designs
- LandlordsNY:** Software Engineer 2014 - 2016